



**ASBESTOS SNIP INSPECTION REPORT**

**Job Site:**

**One Family Dwelling  
2839 North 6<sup>th</sup> Street  
Milwaukee, Wisconsin**

**For:**

City of Milwaukee  
Department of Neighborhood Services  
Attn: Marge Piwaron  
841 North Broadway 1<sup>st</sup> Floor  
Milwaukee, Wisconsin 53202-3613

**HMG Report No.: 14-200-061.2839**

**Contract No.: 360-14-0745**

A handwritten signature in black ink, appearing to read "Dean Jacobsen", is written over a horizontal line.

Dean Jacobsen  
Asbestos Inspector No. AII – 14370

**Prepared by:**

**HARENDA MANAGEMENT GROUP**

1237 West Bruce Street  
Milwaukee, Wisconsin 53204

**February 2014**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2839 North 6<sup>th</sup> Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, drywall/joint compound, window glazing compound, linoleum, blown in insulation, paper insulation, joint compound patch, flue packing, and ceramic tile to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M*.

## II. BUILDING SURVEY

Marge Piwaron, of the City of Milwaukee Department of Neighborhood Services, authorized HMG to conduct a building survey and to analyze samples taken during the inspection.

**On February 13, 2014 HMG conducted an asbestos inspection of a one family dwelling, scheduled for mechanical demolition, located at 2839 North 6<sup>th</sup> Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document. If you have any questions please contact HMG at (414) 383-4800.

## III. THE LABORATORY

### A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

#### IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, drywall/joint compound, window glazing compound, linoleum, blown in insulation, paper insulation, joint compound patch, flue packing, and ceramic tile. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2839a	2 <sup>nd</sup> floor – east bedroom – south wall – patch layer	Negative	N/A	SP1
1-2839b	2 <sup>nd</sup> floor – east bedroom – south wall – plaster skim coat	Negative	N/A	SP1
1-2839c	2 <sup>nd</sup> floor – east bedroom – south wall – plaster base coat	Negative	N/A	SP1
2-2839a	2 <sup>nd</sup> floor – east hall – north wall – plaster skim coat	Negative	N/A	SP1
2-2839b	2 <sup>nd</sup> floor – east hall – north wall – plaster base coat	Negative	N/A	SP1
3-2839a	2 <sup>nd</sup> floor – north bedroom – west wall – plaster skim coat	Negative	N/A	SP1
3-2839b	2 <sup>nd</sup> floor – north bedroom – west wall – plaster base coat	Negative	N/A	SP1
4-2839a	2 <sup>nd</sup> floor – west bedroom – west wall – patch layer	Negative	N/A	SP1
4-2839b	2 <sup>nd</sup> floor – west bedroom – west wall – plaster skim coat	Negative	N/A	SP1
4-2839c	2 <sup>nd</sup> floor – west bedroom – west wall – plaster base coat	Negative	N/A	SP1
5-2839a	1 <sup>st</sup> floor – stair – south wall – patch layer	Negative	N/A	SP1
5-2839b	1 <sup>st</sup> floor – stair – south wall – plaster skim coat	Negative	N/A	SP1
5-2839c	1 <sup>st</sup> floor – stair – south wall – plaster base coat	Negative	N/A	SP1
6-2839a	1 <sup>st</sup> floor – dining room – east wall – plaster #2 skim coat	Negative	N/A	SP12
6-2839b	1 <sup>st</sup> floor – dining room – east wall – plaster #2 base coat	Negative	N/A	SP12
7-2839a	1 <sup>st</sup> floor – living room – north wall – plaster #2 skim coat	Negative	N/A	SP12
7-2839b	1 <sup>st</sup> floor – living room – north wall – plaster #2 base coat	Negative	N/A	SP12
8-2839a	1 <sup>st</sup> floor – kitchen – north wall – plaster #2 skim coat	Negative	N/A	SP12
8-2839b	1 <sup>st</sup> floor – kitchen – north wall – plaster #2 base coat	Negative	N/A	SP12
9-2839a	Basement – stair – east wall – plaster patch skim coat	Negative	N/A	SP1P

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
9-2839b	Basement – stair – east wall – plaster patch base coat	Negative	N/A	SPIP
10-2839	2 <sup>nd</sup> floor – north bedroom – north wall – drywall	Negative	N/A	MDW
11-2839	2 <sup>nd</sup> floor – bathroom – north wall – drywall	Negative	N/A	MDW
12-2839a	1 <sup>st</sup> floor – dining room – ceiling – joint compound	Negative	N/A	MDW
12-2839b	1 <sup>st</sup> floor – dining room – ceiling – drywall	Negative	N/A	MDW
13-2839	2 <sup>nd</sup> floor – east hall – south window – glazing compound	Negative	N/A	MPG
14-2839	1 <sup>st</sup> floor – stair – west window – glazing compound	Negative	N/A	MPG
15-2839	Basement – west window – glazing compound	Negative	N/A	MPG
16-2839	2 <sup>nd</sup> floor – east bedroom – in east wall – blown in insulation	Negative	N/A	MBI
17-2839	1 <sup>st</sup> floor – living room – in north wall – blown in insulation	Negative	N/A	MBI
18-2839	Exterior – in east wall – blown in insulation	Negative	N/A	MBI
19-2839	Exterior – south wall under aluminum siding – paper insulation	Negative	N/A	MPI
20-2839	Exterior – east wall under aluminum siding – paper insulation	Negative	N/A	MPI
21-2839	Exterior – west wall under aluminum siding – paper insulation	Negative	N/A	MPI
22-2839	1 <sup>st</sup> floor – dining room – south wall – texture	Negative	N/A	STX
23-2839	2 <sup>nd</sup> floor – hall – west wall – texture	Negative	N/A	STX
24-2839	1 <sup>st</sup> floor – kitchen – south wall – texture	Negative	N/A	STX
25-2839	1 <sup>st</sup> floor – dining room – on west wall – joint compound patch	Negative	N/A	MJC
26-2839	1 <sup>st</sup> floor – dining room – on south wall – joint compound patch	Negative	N/A	MJC
27-2839	2 <sup>nd</sup> floor – hall – on east wall – joint compound patch	Negative	N/A	MJC
28-2839	Basement – on chimney – flue packing	Negative	N/A	TFP
29-2839a	2 <sup>nd</sup> floor – bathroom – on south wall – white ceramic tile	Negative	N/A	MCTMw
29-2839b	2 <sup>nd</sup> floor – bathroom – on south wall – grout	Negative	N/A	MCTMw
30-2839a	1 <sup>st</sup> floor – kitchen floor – brown ceramic tile	Negative	N/A	MCTMn
30-2839b	1 <sup>st</sup> floor – kitchen floor – grout	Negative	N/A	MCTMn
31-2839a	1 <sup>st</sup> floor – pantry floor – brown ceramic tile	Negative	N/A	MCTMn
31-2839b	1 <sup>st</sup> floor – pantry floor – mortar	Negative	N/A	MCTMn

**Notes:** N/A = Not Applicable  
Sq. Ft. = Square Feet

**Assumed Category I Non-Friable Asbestos Containing Material:**

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	800 Sq. Ft.

**Homogeneous Material Codes**

SPI	Plaster
SPI2	Plaster #2
SPIP	Plaster Patch

### Homogeneous Material Codes

STX	Texture
MDW	Drywall/Joint Compound
MPG	Glazing Compound
MBI	Blown in Insulation
MPI	Paper Insulation
MJC	Joint Compound Patch
MCTMw	White Ceramic Tile
MCTMn	Brown Ceramic Tile
TFP	Flue Packing

**Note#1:** Category I – Non-Friable Asbestos Containing Materials may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

**Note#2:** If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

**Note#3:** A copy of this report should be transmitted to the demolition contractor.

## V. EXCLUSIONS

**Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.**

HMG is not and shall not represent the building owner as its agent or representative for the purpose of the US EPA/NESHAP and/or the WDNR/NR447 regulations, as owner/operator.

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

## VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

*This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.*

## VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

This guide lists materials and products commonly found in buildings with examples. It is not intended as a substitute for reading the rules and statutes and making your own independent determination of their applicability to your demolition project. These examples presented here do not represent an exhaustive listing of types of materials that may be required to be removed from the building prior to demolition.

## **ASBESTOS**

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health & Family Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

## **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

## **LEAD**

Lead or Lead Based Paint (LBP) is common in many older buildings. When recycling construction and demolition debris, be aware that wood containing lead paint may not be chipped and spread for landscaping. State law also prohibits the sale or transfer of any fixture or other object containing LBP that might be placed upon any surface of a dwelling, which is ordinarily accessible to children.

## MERCURY

Products that may contain mercury:

### LIGHTING

<u>N/A</u>	Fluorescent Lights
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

### HVAC

Check thermostats and any control associated with air handling units for switches containing mercury.

### HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>N/A</u>	Old Thermostats
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

### BOILERS, FURNACES, HEATERS AND TANKS

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>N/A</u>	Space Heaters

## **ELECTRICAL SYSTEMS**

<u>  N/A  </u>	Load Meters and Supply Relays
<u>  N/A  </u>	Phase Splitters
<u>  N/A  </u>	Microwave Relays
<u>  N/A  </u>	Mercury Displacement Relays

### **PCBs**

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building where PCBs may be found:

<u>  N/A  </u>	Transformers
<u>  N/A  </u>	Capacitors (appliances, electronic equipment)
<u>  N/A  </u>	Heat Transfer Equipment
<u>  N/A  </u>	Light Ballasts
<u>  N/A  </u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>  N/A  </u>	Sumps or Oil Traps (in maintenance and industrial facilities)

## **OTHER ENVIRONMENTAL ISSUES**

<u>  N/A  </u>	Hazardous Waste
<u>  N/A  </u>	Oil Tanks
<u>  N/A  </u>	Well Abandonment
<u>  N/A  </u>	Junk Auto Tires
<u>  N/A  </u>	Junk Vehicles

## VIII. LABORATORY RESULTS



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 231971	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/14/2014	1237 West Bruce St.
Received By: Alex Raymond	Milwaukee, WI 53204
Date Analyzed: 02/18/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2839

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
001a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
001b		Layered	Gray Plaster	Asbestos Not Present	Hair	3 Sand CaCO3
002	2	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
002a		Layered	Gray Plaster	Asbestos Not Present	Glass Fiber Hair	2 Sand 2 CaCO3
003	3	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
003a		Layered	Gray Plaster	Asbestos Not Present	Glass Fiber Hair	2 Sand 2 CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004	4	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
004a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
004b		Layered	Gray Plaster	Asbestos Not Present	Glass Fiber Hair	2 Sand 2 CaCO3
005	5	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
005a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
005b		Layered	Gray Plaster	Asbestos Not Present	Glass Fiber Hair	2 Sand 2 CaCO3
006	6	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006a		Layered	Gray Plaster	Asbestos Not Present	Glass Fiber Hair	2 Sand 2 CaCO3
007	7	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
007a		Layered	Gray Plaster	Asbestos Not Present	Glass Fiber Hair	2 Sand 2 CaCO3
008	8	Layered	Tan Skim Coat	Asbestos Not Present	NA	CaCO3
008a		Layered	Gray Plaster	Asbestos Not Present	Glass Fiber Synthetic Hair	2 Sand 2 CaCO3 2
009	9	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
009a		Layered	Gray Plaster	Asbestos Not Present	Glass Fiber Hair	2 Sand 2 CaCO3

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QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	10	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
011	11	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum Paint
012	12	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
012a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum
013	13	Homogeneous	Black Window Glazing	Asbestos Not Present	NA	CaCO3
014	14	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
015	15	Homogeneous	White Window Glazing	Asbestos Not Present	Talc	2 CaCO3 Talc

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
016	16	Homogeneous	Tan Fireproofing	Asbestos Not Present	Cellulose 100	
017	17	Homogeneous	Tan Fireproofing	Asbestos Not Present	Cellulose 100	
018	18	Homogeneous	Tan Fireproofing	Asbestos Not Present	Cellulose 100	
019	19	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 50	Foil
020	20	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 50	Foil
021	21	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 50	Foil
022	22	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
023	23	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
024	24	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
025	25	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
026	26	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
027	27	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
027a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
028	28	Homogeneous	Gray Cement	Asbestos Not Present	Glass Fiber	2 Sand CaCO3
029	29	Layered	Red Ceramic Tile	Asbestos Not Present	NA	Clay
029a		Layered	White Mastic	Asbestos Not Present	NA	Binder
030	30	Layered	Red Ceramic Tile	Asbestos Not Present	NA	Clay
030a		Layered	White Mastic	Asbestos Not Present	NA	Binder
031	31	Layered	Red Ceramic Tile	Asbestos Not Present	NA	Clay
031a		Layered	White Mastic	Asbestos Not Present	NA	Binder

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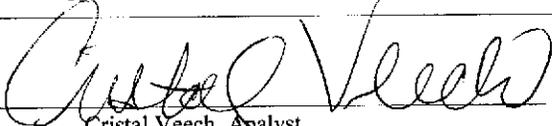
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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 231971	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/14/2014	1237 West Bruce St.
Received By: Alex Raymond	Milwaukee, WI 53204
Date Analyzed: 02/18/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2839

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
				2/18/2014		
Cristal Veech, Analyst				Date of Report		

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



www.QuanTEM.com

# ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502  
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

## LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only  
 Lab No. 23197  
 Accept  Reject

Report Results  one box  
 QuanTEM Website  
 Other\_email

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-061.2839	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY <i>Dean Jacobsen</i>	DATE & TIME 2/13/14 1800	VIA FedEx	RECEIVED BY <i>A. Bygones</i>	DATE & TIME 02/17/14 10a
---	-----------------------------	--------------	----------------------------------	-----------------------------

REQUESTED SERVICES - (Please  the Appropriate Boxes)

PLM	PLM	TEM	TEM	TURNAROUND TIME
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative (fibers/sq.cm)- ASTM D5755	<input checked="" type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1		<input checked="" type="checkbox"/>				
2		<input type="checkbox"/>				
3		<input type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input checked="" type="checkbox"/>				



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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only	
Lab No. <u>23197</u>	Accept <input type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI	
No.	Sample ID (10 Characters Max)	Description	Volume / Area (as applicable)	Comments / Notes
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				



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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only	
Lab No. 231971	Accept <input type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31	<input checked="" type="checkbox"/>				
32		<input type="checkbox"/>				
33		<input type="checkbox"/>				
34		<input type="checkbox"/>				
35		<input type="checkbox"/>				
36		<input type="checkbox"/>				
37		<input type="checkbox"/>				
38		<input type="checkbox"/>				
39		<input type="checkbox"/>				
40		<input type="checkbox"/>				
41		<input type="checkbox"/>				
42		<input type="checkbox"/>				
43		<input type="checkbox"/>				
44		<input type="checkbox"/>				
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				

## **IX. HMG CERTIFICATION**



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen  
W1316781 Kipling Dr  
Monkego WI 53150-3401

		160 lbs	5' 08"
ALL-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

is certified under ch. HFS 159, Wis. Adm. Code as a

Asbestos Company - Primary

Certificate Issue Date: 09/11/2013  
Expiration Date: 08/31/2015, 12:01 a.m.  
Certification #: CAP-480540

Wisconsin Department of Health Services  
Division of Public Health  
Bureau of Environmental and Occupational Health  
Asbestos & Lead Section  
PO Box 2659  
Madison WI 53701-2659  
Phone: (608) 261-6876



*Shelley A Bruce*  
Shelley A Bruce,  
Unit Supervisor





**ASBESTOS SNIP INSPECTION REPORT**

**Job Site:**

**Two Family Dwelling  
2862-64 North 9<sup>th</sup> Street  
Milwaukee, Wisconsin**

**For:**

City of Milwaukee  
Department of Neighborhood Services  
Attn: Marge Piwaron  
841 North Broadway 1<sup>st</sup> Floor  
Milwaukee, Wisconsin 53202-3613

**HMG Report No.: 14-200-061.2862  
Contract No.: 360-14-0745**

A handwritten signature in black ink, appearing to read 'Dean Jacobsen', is written over a horizontal line.

Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

**HARENDA MANAGEMENT GROUP**  
1237 West Bruce Street  
Milwaukee, Wisconsin 53204

**February 2014**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2862-64 North 9<sup>th</sup> Street, Milwaukee, Wisconsin.

The inspection included plaster, drywall/joint compound, linoleum, ceramic tile, window glazing compound, blown in insulation, and flue packing to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M*.

## II. BUILDING SURVEY

Marge Piwaron, of the City of Milwaukee Department of Neighborhood Services, authorized HMG to conduct a building survey and to analyze samples taken during the inspection.

**On February 17, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2862-64 North 9<sup>th</sup> Street, Milwaukee, Wisconsin. The inspection was conducted by Demicca Coe, Wisconsin License No. AII – 156385.**

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document. If you have any questions please contact HMG at (414) 383-4800.

## III. THE LABORATORY

### A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP

regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

#### IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, drywall/joint compound, linoleum, ceramic tile, window glazing compound, blown in insulation, and flue packing. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2862a	1 <sup>st</sup> floor – west bedroom – east wall – joint compound	Negative	N/A	MDW
1-2862b	1 <sup>st</sup> floor – west bedroom – east wall – drywall	Negative	N/A	MDW
2-2862a	1 <sup>st</sup> floor – pantry – north wall – joint compound	Negative	N/A	MDW
2-2862b	1 <sup>st</sup> floor – pantry – north wall – drywall	Negative	N/A	MDW
3-2862a	2 <sup>nd</sup> floor – kitchen – west wall – joint compound	Negative	N/A	MDW
3-2862b	2 <sup>nd</sup> floor – kitchen – west wall – drywall	Negative	N/A	MDW
4-2862a	1 <sup>st</sup> floor – living room – south wall – patch layer	Negative	N/A	SPI
4-2862b	1 <sup>st</sup> floor – living room – south wall – plaster	Negative	N/A	SPI
5-2862	1 <sup>st</sup> floor – northeast bedroom closet – west wall – plaster	Negative	N/A	SPI
6-2862	1 <sup>st</sup> floor – rear stair – north wall – plaster	Negative	N/A	SPI
7-2862a	2 <sup>nd</sup> floor – stair – east wall – plaster skim coat	Negative	N/A	SPI
7-2862b	2 <sup>nd</sup> floor – stair – east wall – plaster base coat	Negative	N/A	SPI
8-2862	2 <sup>nd</sup> floor – west bedroom – west wall – plaster	Negative	N/A	SPI
9-2862	2 <sup>nd</sup> floor – bathroom – ceiling – plaster	Negative	N/A	SPI
10-2862	Basement – stair – east wall – plaster	Negative	N/A	SPI
11-2862	1 <sup>st</sup> floor – bathroom – top layer – cream linoleum	Negative	N/A	MFLc
12-2862	1 <sup>st</sup> floor – bathroom – on south wall – white ceramic tile	Negative	N/A	MCTMw
13-2862	1 <sup>st</sup> floor – bathroom – on west side ledge – gray ceramic tile	Negative	N/A	MCTMy
14-2862	1 <sup>st</sup> floor – bathroom – on west side ledge – mortar	Negative	N/A	MCTMM
15-2862	1 <sup>st</sup> floor – northwest bedroom – west window – glazing compound	Negative	N/A	MPG
16-2862	2 <sup>nd</sup> floor – front stair – west window – glazing compound	Negative	N/A	MPG
17-2862	Basement – east window – glazing compound	Negative	N/A	MPG
18-2862	Attic – on chimney – flue packing	Negative	N/A	TFP
19-2862	2 <sup>nd</sup> floor – bathroom – on south wall – blue ceramic tile	Negative	N/A	MCTMb
20-2862	2 <sup>nd</sup> floor – bathroom – on south wall – mortar #2	Negative	N/A	MCTMM2
21-2862	Attic – center – under floor – blown in insulation	Negative	N/A	MBI
22-2862	Attic – south side – under floor – blown in insulation	Negative	N/A	MBI
23-2862	1 <sup>st</sup> floor – northeast bedroom – in east wall – blown in insulation	Negative	N/A	MBI
24-2862a	Basement – on chimney – flue packing #2 top layer	Negative	N/A	TFP2

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
24-2862b	Basement – on chimney – flue packing #2 bottom layer	Negative	N/A	TFP2
25-2862	Basement – north wall – plaster #2	Negative	N/A	SP12
26-2862	Basement – north wall – plaster #2	Negative	N/A	SP12
27-2862	Basement – north wall – plaster #2	Negative	N/A	SP12
28-2862	1 <sup>st</sup> floor – bathroom – under plywood – beige linoleum	Negative	N/A	MFLe

**Notes:** N/A = Not Applicable  
Sq. Ft. = Square Feet

- **4 Magnesia Pipe Fitting Remnants in Basement East & South Sides Assumed Asbestos Containing**

**Assumed Category I Non-Friable Asbestos Containing Material:**

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,400 Sq. Ft.
1 <sup>st</sup> / 2 <sup>nd</sup>	Dwelling	Asphalt Shingle Siding	2,900 Sq. Ft.
1 <sup>st</sup>	Bathroom	Floor & Wall Mastic	80 Sq. Ft.
1 <sup>st</sup>	Hall/Kitchen/Pantry/Stair	Floor Tile & Mastic	270 Sq. Ft.
2 <sup>nd</sup>	Kitchen/Bathroom	Floor Tile & Mastic	200 Sq. Ft.

**Homogeneous Material Codes**

SP1	Plaster
SP12	Plaster #2
MDW	Drywall/Joint Compound
MFLc	Cream Linoleum
MFLe	Beige Linoleum
MCTMw	White Ceramic Tile
MCTMy	Gray Ceramic Tile
MCTMb	Blue Ceramic Tile
MCTMM	Mortar
MCTMM2	Mortar #2
MPG	Glazing Compound
MBI	Blown in Insulation
MSCT11	1' x 1' Ceiling Tile
MPT	Tar Paper
TFP	Flue Packing
TFP2	Flue Packing #2

**Note#1:** Category I – Non-Friable Asbestos Containing Materials may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

**Note#2:** If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

**Note#3:** A copy of this report should be transmitted to the demolition contractor.

## V. EXCLUSIONS

**Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.**

HMG is not and shall not represent the building owner as its agent or representative for the purpose of the US EPA/NESHAP and/or the WDNR/NR447 regulations, as owner/operator.

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

## VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

*This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.*

## VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

This guide lists materials and products commonly found in buildings with examples. It is not intended as a substitute for reading the rules and statutes and making your own independent determination of their applicability to your demolition project. These examples presented here do not represent an exhaustive listing of types of materials that may be required to be removed from the building prior to demolition.

## **ASBESTOS**

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health & Family Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

## **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

## **LEAD**

Lead or Lead Based Paint (LBP) is common in many older buildings. When recycling construction and demolition debris, be aware that wood containing lead paint may not be chipped and spread for landscaping. State law also prohibits the sale or transfer of any fixture or other object containing LBP that might be placed upon any surface of a dwelling, which is ordinarily accessible to children.

## **MERCURY**

Products that may contain mercury:

### **LIGHTING**

<u>2</u>	Fluorescent Lights – Basement
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

### **HVAC**

Check thermostats and any control associated with air handling units for switches containing mercury.

### **HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS**

<u>N/A</u>	Old Thermostats
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

### **BOILERS, FURNACES, HEATERS AND TANKS**

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>N/A</u>	Space Heaters

## **ELECTRICAL SYSTEMS – 2 Breaker Boxes in Basement**

<u>N/A</u>	Load Meters and Supply Relays
<u>N/A</u>	Phase Splitters
<u>N/A</u>	Microwave Relays
<u>N/A</u>	Mercury Displacement Relays

### **PCBs**

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building where PCBs may be found:

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>2</u>	Light Ballasts – Basement
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

### **OTHER ENVIRONMENTAL ISSUES**

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>1</u>	Junk Auto Tires – Basement
<u>N/A</u>	Junk Vehicles

\* 2 Gas Meters on Exterior

\* 10 Gallons Paint & 1 Water Meter in Basement

## VIII. LABORATORY RESULTS



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232056	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/18/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2862

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-2862	Layered	White Texture	Asbestos Not Present	NA	CaCO3
001a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum
002	2-2862	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum
002a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum
003	3-2862	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Gypsum
003a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum
004	4-2862	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 232056	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/18/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2862

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004a		Layered	White Plaster	Asbestos Not Present	Hair	2 Gypsum Sand Paint
005	5-2862	Homogeneous	White Plaster	Asbestos Not Present	Hair	2 Gypsum Sand Paint
006	6-2862	Homogeneous	White Plaster	Asbestos Not Present	Hair	5 Gypsum Sand
007	7-2862	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
007a		Layered	White Plaster	Asbestos Not Present	Hair	2 Gypsum Sand
008	8-2862	Homogeneous	White Plaster	Asbestos Not Present	Hair	2 Gypsum Sand
009	9-2862	Homogeneous	White Plaster	Asbestos Not Present	Hair	2 Gypsum Sand Paint

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Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2862

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010	10-2862	Homogeneous	White Plaster	Asbestos Not Present	Hair	2 Gypsum Sand
011	11-2862	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose	25 Vinyl
012	12-2862	Homogeneous	White Ceramic Tile	Asbestos Not Present	NA	Clay
013	13-2862	Homogeneous	White Ceramic Tile	Asbestos Not Present	NA	Clay
014	14-2862	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
015	15-2862	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
016	16-2862	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 232056

Account Number: B929

Date Received: 02/18/2014

Received By: Joanna Mueller

Date Analyzed: 02/18/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.2862

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	17-2862	Homogeneous	Black Window Glazing	Asbestos Not Present	NA	CaCO3
018	18-2862	Homogeneous	Black Plaster	Asbestos Not Present	NA	Sand Gypsum Binder
019	19-2862	Layered	Blue Ceramic Tile	Asbestos Not Present	NA	Clay
019a		Layered	White Texture	Asbestos Not Present	Cellulose	2 Gypsum CaCO3
020	20-2862	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3
021	21-2862	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose	100
022	22-2862	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose	100

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 232056	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/18/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2862

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
023	23-2862	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
024	24-2862	Layered	Gray Plaster	Asbestos Not Present	Cellulose 2 Glass Fiber 10	Sand Gypsum
024a		Layered	Gray Insulation	Asbestos Not Present	Cellulose 10 Glass Fiber 60	Gypsum
025	25-2862	Homogeneous	Black Mortar	Asbestos Not Present	NA	Sand CaCO3 Gypsum
026	26-2862	Homogeneous	Black Mortar	Asbestos Not Present	NA	Sand CaCO3 Gypsum
027	27-2862	Homogeneous	Black Mortar	Asbestos Not Present	NA	Sand CaCO3 Gypsum

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuantEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232056

Account Number: B929

Date Received: 02/18/2014

Received By: Joanna Mueller

Date Analyzed: 02/18/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.2862

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
028	28-2862	Homogeneous	White Flooring	Asbestos Not Present	NA	Vinyl CaCO3 Plastic

*Cristal Veech*  
Cristal Veech, Analyst

2/19/2014

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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# ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502  
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

www.QuanTEM.com

## Contact Information

Company: **Harenda Management Group**  
 Contact: **Dean Jacobsen**  
 Account #: **B929**  
 Phone: **(414) 383-4800**  
 Cell Phone:  
 E-mail: **djacobsen@harenda.com**  
 Date:

## Project Information

Project Name: **DNS**  
 Project Location: **Milwaukee, WI**  
 Project ID: **14-200-061.2862**  
 P.O. Number:

For Lab Use Only  
 Lab No. **232056**  
 Accept  Reject

Report Results  one box  
 QuanTEM Website  
 Other\_email

RELINQUISHED BY: *[Signature]* DATE & TIME: **2/17/14 1800** VIA: **FedEx** RECEIVED BY: *[Signature]* DATE & TIME: **2/18/14 1000**

## REQUESTED SERVICES (Please check the appropriate boxes)

PLM	PLM		TEM		TEM		TURNAROUND TIME
	Bulk Analysis (EPA 600/R-93/116)	400 Point Count	Air-AHERA	Air-NIOSH 7402	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative [weight%]- Chatfield	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Rush
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Same Day
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	24 - Hour
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3 - Day
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	1-2862	<input checked="" type="checkbox"/>			
2	2-2862	<input type="checkbox"/>			
3	3-2862	<input type="checkbox"/>			
4	4-2862	<input type="checkbox"/>			
5	5-2862	<input type="checkbox"/>			
6	6-2862	<input type="checkbox"/>			
7	7-2862	<input type="checkbox"/>			
8	8-2862	<input type="checkbox"/>			
9	9-2862	<input type="checkbox"/>			
10	10-2862	<input checked="" type="checkbox"/>			



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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only
Lab No. <u>232056</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11-2862				Do Not Test Mastie
12	12-2862				
13	13-2862				
14	14-2862				
15	15-2862				
16	16-2862				
17	17-2862				
18	18-2862				
19	19-2862				
20	20-2862				
21	21-2862				
22	22-2862				
23	23-2862				
24	24-2862				
25	25-2862				
26	26-2862				
27	27-2862				
28	28-2862				
29					
30					

## **IX. HMG CERTIFICATION**

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services



Demicca Andrea Marie Coe

1237 W Bruce St

Milwaukee WI 53204-1218

		150 lbs	5' 01"
All-156385	Exp: 09/26/2014	09/08/1971	Female

Training due by: 09/26/2014

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

is certified under ch. HFS 159, Wis. Adm. Code as a

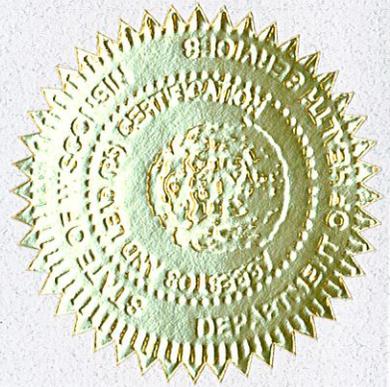
Asbestos Company - Primary

Certificate Issue Date: 09/11/2013  
Expiration Date: 08/31/2015, 12:01 a.m.  
Certification #: CAP-480540

Wisconsin Department of Health Services  
Division of Public Health  
Bureau of Environmental and Occupational Health  
Asbestos & Lead Section  
PO Box 2659  
Madison WI 53701-2659  
Phone: (608) 261-6876



*Shelley A. Bruce*  
Shelley A. Bruce,  
Unit Supervisor





**ASBESTOS SNIP INSPECTION REPORT**

**Job Site:**

**Two Family Dwelling  
2936 North 12<sup>th</sup> Street  
Milwaukee, Wisconsin**

For:

City of Milwaukee  
Department of Neighborhood Services  
Attn: Marge Piwaron  
841 North Broadway 1<sup>st</sup> Floor  
Milwaukee, Wisconsin 53202-3613

**HMG Report No.: 14-200-061.2936  
Contract No.: 360-14-0745**

A handwritten signature in black ink, appearing to read 'Dean Jacobsen', is written over a horizontal line.

Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

**HARENDA MANAGEMENT GROUP**  
1237 West Bruce Street  
Milwaukee, Wisconsin 53204

**February 2014**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2936 North 12<sup>th</sup> Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, linoleum, window glazing compound, drywall/joint compound, joint compound patch, aircell pipe insulation, fittings, flue packing, tar, ceiling tile, and tar paper to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M*.

## II. BUILDING SURVEY

Marge Piwaron, of the City of Milwaukee Department of Neighborhood Services, authorized HMG to conduct a building survey and to analyze samples taken during the inspection.

**On February 14, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2936 North 12<sup>th</sup> Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document. If you have any questions please contact HMG at (414) 383-4800.

## III. THE LABORATORY

### A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

#### IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, linoleum, window glazing compound, drywall/joint compound, joint compound patch, aircell pipe insulation, fittings, flue packing, tar, ceiling tile, and tar paper. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2936	1 <sup>st</sup> floor – front entry closet – black linoleum	Negative	N/A	MFLk
2-2936	1 <sup>st</sup> floor – living room – west window – glazing compound	Negative	N/A	MPG
3-2936	2 <sup>nd</sup> floor – dining room – south window – glazing compound	Negative	N/A	MPG
4-2936	Basement – north window – glazing compound	Negative	N/A	MPG
5-2936	1 <sup>st</sup> floor – south bedroom – brown linoleum	Negative	N/A	MFLn
6-2936	2 <sup>nd</sup> floor – kitchen – bottom layer – brown and gray linoleum	Negative	N/A	MFLny
7-2936	2 <sup>nd</sup> floor – pantry – top layer – tan and brown linoleum	Negative	N/A	MFLtn
8-2936	2 <sup>nd</sup> floor – pantry – bottom layer – brown and beige linoleum	Negative	N/A	MFLne
9-2936	2 <sup>nd</sup> floor – bathroom – under floor tile – yellow linoleum	Negative	N/A	MFLl
10-2936	2 <sup>nd</sup> floor – dining room – under carpet – tan and black linoleum	Negative	N/A	MFLtk
11-2936	2 <sup>nd</sup> floor – west bedroom – south wall – texture	Negative	N/A	STX
12-2936	2 <sup>nd</sup> floor – bathroom – ceiling – texture	Negative	N/A	STX
13-2936	1 <sup>st</sup> floor – stair – east wall – texture	Negative	N/A	STX
14-2936a	2 <sup>nd</sup> floor – west bedroom – west wall – patch layer	Negative	N/A	SPI
14-2936b	2 <sup>nd</sup> floor – west bedroom – west wall – plaster skim coat	Negative	N/A	SPI
14-2936c	2 <sup>nd</sup> floor – west bedroom – west wall – plaster base coat	Negative	N/A	SPI
15-2936a	2 <sup>nd</sup> floor – living room – south wall – plaster skim coat	Negative	N/A	SPI
15-2936b	2 <sup>nd</sup> floor – living room – south wall – plaster base coat	Negative	N/A	SPI
16-2936a	1 <sup>st</sup> floor – kitchen – east wall – plaster skim coat	Negative	N/A	SPI
16-2936b	1 <sup>st</sup> floor – kitchen – east wall – plaster base coat	Negative	N/A	SPI
17-2936a	1 <sup>st</sup> floor – dining room – south wall – plaster skim coat	Negative	N/A	SPI
17-2936b	1 <sup>st</sup> floor – dining room – south wall – plaster base coat	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
18-2936a	1 <sup>st</sup> floor – bathroom – north wall – plaster skim coat	Negative	N/A	SPI
18-2936b	1 <sup>st</sup> floor – bathroom – north wall – plaster base coat	Negative	N/A	SPI
19-2936a	2 <sup>nd</sup> floor – dining room – east wall – joint compound	Negative	N/A	MDW
19-2936b	2 <sup>nd</sup> floor – dining room – east wall – drywall	Negative	N/A	MDW
20-2936a	2 <sup>nd</sup> floor – kitchen – south wall – joint compound	Negative	N/A	MDW
20-2936b	2 <sup>nd</sup> floor – kitchen – south wall – drywall	Negative	N/A	MDW
21-2936a	1 <sup>st</sup> floor – dining room – east wall – joint compound	Negative	N/A	MDW
21-2936b	1 <sup>st</sup> floor – dining room – east wall – drywall	Negative	N/A	MDW
22-2939a	1 <sup>st</sup> floor – stair – south wall – joint compound patch layer 1	Negative	N/A	MJC
22-2939b	1 <sup>st</sup> floor – stair – south wall – joint compound patch layer 2	Negative	N/A	MJC
<b>23-2936</b>	<b>Basement – south room - &lt;5” diameter aircell pipe insulation</b>	<b>Positive 75% Chrysotile</b>	<b>160 Ln. Ft.</b>	<b>TA5</b>
<b>24-2936</b>	<b>Basement – northwest corner - &lt;5” diameter aircell pipe insulation</b>	<b>Positive 75% Chrysotile</b>	<b>Reference 23-2936</b>	<b>TA5</b>
<b>25-2936</b>	<b>Basement – center - &lt;5” diameter aircell pipe insulation</b>	<b>Positive 75% Chrysotile</b>	<b>Reference 23-2936</b>	<b>TA5</b>
<b>26-2936</b>	<b>Basement – &lt;5” diameter pipe insulation fitting</b>	<b>Positive 35% Chrysotile</b>	<b>30 Fittings</b>	<b>TF5</b>
27-2936a	Basement – on chimney – top layer – light gray flue packing	Negative	N/A	TFPyLight
27-2936b	Basement – on chimney – top layer – gray flue packing	Negative	N/A	TFPy
28-2936	Basement – south room – south wall – plaster #2	Negative	N/A	SPI2
29-2936a	Basement – north closet – north wall – patch layer	Negative	N/A	SPI2
29-2936b	Basement – north closet – north wall – plaster #2	Negative	N/A	SPI2
30-2936	Basement – southeast room – south wall – plaster #2	Negative	N/A	SPI2
<b>31-2936</b>	<b>Basement – south center closet – on south wall – tar</b> <i>Quantity includes southeast closet wall</i>	<b>8% Chrysotile</b>	<b>2 Sq. Ft.</b>	<b>Tar</b>
32-2936	1 <sup>st</sup> floor – hall – 1’ x 1’ ceiling tile	Negative	N/A	MSCT11
33-2936	1 <sup>st</sup> floor – front entry – 1’ x 1’ ceiling tile	Negative	N/A	MSCT11
34-2936	1 <sup>st</sup> floor – south bedroom – 1’ x 1’ ceiling tile	Negative	N/A	MSCT11
35-2936	1 <sup>st</sup> floor – dining room ceiling – southwest – texture #2	Negative	N/A	STX2
36-2936	1 <sup>st</sup> floor – dining room ceiling – southeast – texture #2	Negative	N/A	STX2
37-2936	1 <sup>st</sup> floor – dining room ceiling – north – texture #2	Negative	N/A	STX2
<b>38-2936</b>	<b>1<sup>st</sup> floor – hall – under carpet – orange and brown linoleum</b>	<b>Positive 25% Chrysotile</b>	<b>35 Sq. Ft.</b>	<b>MFLon</b>
39-2936	1 <sup>st</sup> floor – south bedroom – under carpet – cream linoleum	Negative	N/A	MFLc
40-2936	1 <sup>st</sup> floor – bathroom – tan and beige linoleum	Negative	N/A	MFLte
41-2936	1 <sup>st</sup> floor – front entry – under floor tile – tar paper	Negative	N/A	MPT

**Notes:** N/A = Not Applicable  
Sq. Ft. = Square Feet

Ln. Ft. = Linear Feet

**Assumed Category I Non-Friable Asbestos Containing Material:**

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,100 Sq. Ft.
1 <sup>st</sup>	Front Entry/Bathroom/Kitchen	Floor Tile & Mastic	400 Sq. Ft
1 <sup>st</sup>	Hall/Stair/Bedroom	Floor & Wall Mastic	180 Sq. Ft
2 <sup>nd</sup>	Dining Room/Pantry	Floor & Wall Mastic	150 Sq. Ft.
2 <sup>nd</sup>	Kitchen/Bathroom	Floor Tile & Mastic	600 Sq. Ft.

**Homogeneous Material Codes**

SP1	Plaster
SP12	Plaster #2
STX	Texture
STX2	Texture #2
MFLk	Black Linoleum
MFLn	Brown linoleum
MFLny	Brown & Gray Linoleum
MFLtn	Tan & Brown Linoleum
MFLne	Brown & Beige Linoleum
MFLl	Yellow Linoleum
MFLon	Orange & Brown Linoleum
MFLe	Beige Linoleum
MFLte	Tan & Beige Linoleum
MPG	Glazing Compound
MDW	Drywall/Joint Compound
MJC	Joint Compound Patch
MSCT11	1' x 1' Ceiling Tile
MPT	Tar Paper
Tar	Tar
TA5	<5" Diameter Aircell Pipe Insulation
TF5	<5" Diameter Pipe Insulation Fitting
TFP	Flue Packing

**Note#1:** Category I – Non-Friable Asbestos Containing Materials may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

**Note#2:** If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

**Note#3:** A copy of this report should be transmitted to the demolition contractor.

**Note#4:** Additional aircell and fittings may be within walls.

**V. EXCLUSIONS**

**2<sup>nd</sup> floor west bedroom floor buried in debris and not accessible. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.**

HMG is not and shall not represent the building owner as its agent or representative for the purpose of the US EPA/NESHAP and/or the WDNR/NR447 regulations, as owner/operator.

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

## VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

*This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.*

## VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

This guide lists materials and products commonly found in buildings with examples. It is not intended as a substitute for reading the rules and statutes and making your own independent determination of their applicability to your demolition project. These examples presented here do not represent an exhaustive listing of types of materials that may be required to be removed from the building prior to demolition.

## **ASBESTOS**

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health & Family Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

## **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>1</u>	<b>Refrigerators</b> , Freezers, Chillers – 1 <sup>st</sup> Floor Kitchen
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

## **LEAD**

Lead or Lead Based Paint (LBP) is common in many older buildings. When recycling construction and demolition debris, be aware that wood containing lead paint may not be chipped and spread for landscaping. State law also prohibits the sale or transfer of any fixture or other object containing LBP that might be placed upon any surface of a dwelling, which is ordinarily accessible to children.

## MERCURY

Products that may contain mercury:

### LIGHTING

<u>6</u>	Fluorescent Lights – 1 <sup>st</sup> & 2 <sup>nd</sup> Floor Kitchen, Basement
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

### HVAC

Check thermostats and any control associated with air handling units for switches containing mercury.

### HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>N/A</u>	Old Thermostats
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

### BOILERS, FURNACES, HEATERS AND TANKS – 1 Boiler & 1 Furnace in Basement

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>N/A</u>	Space Heaters

## **ELECTRICAL SYSTEMS – 2 Breaker Boxes in Basement**

<u>N/A</u>	Load Meters and Supply Relays
<u>N/A</u>	Phase Splitters
<u>N/A</u>	Microwave Relays
<u>N/A</u>	Mercury Displacement Relays

### **PCBs**

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building where PCBs may be found:

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>1</u>	Light Ballasts – 1 <sup>st</sup> Floor Kitchen
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

### **OTHER ENVIRONMENTAL ISSUES**

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>2</u>	Junk Auto Tires – Basement
<u>N/A</u>	Junk Vehicles

\* 2 Gas Meters on Exterior

\* 1 Quart Power Steering Fluid & 1 Quart Motor Oil in Front Entry Closet

## VIII. LABORATORY RESULTS



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 232017	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/17/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/17/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2936

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-2936	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
002	2-2936	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
003	3-2936	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3
004	4-2936	Homogeneous	Green Window Glazing	Asbestos Not Present	NA	CaCO3
005	5-2936	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	Tar
006	6-2936	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	Tar
007	7-2936	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232017	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/17/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/17/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2936

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8-2936	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	Tar
009	9-2936	Homogeneous	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
010	10-2936	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	Tar
011	11-2936	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3
012	12-2936	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3
013	13-2936	Homogeneous	White Joint Compound	Asbestos Not Present	NA	CaCO3
014	14-2936	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 232017	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/17/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/17/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2936

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
014b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
015	15-2936	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
015a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
016	16-2936	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
016a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
017	17-2936	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint

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### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 232017	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/17/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/17/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2936

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
018	18-2936	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
018a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
019	19-2936	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
019a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
020	20-2936	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
020a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 232017	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/17/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/17/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2936

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021	21-2936	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
021a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
022	22-2936	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
022a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
023	23-2936	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	Cellulose 15	Binder
024	24-2936	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	Cellulose 15	Binder
025	25-2936	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	Cellulose 15	Binder

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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232017	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/17/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/17/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2936

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026	26-2936	Homogeneous	White Insulation	Asbestos Present Chrysotile 35	NA	CaCO3
027	27-2936	Layered	Light Gray Stucco	Asbestos Not Present	NA	Quartz CaCO3
027a		Layered	Gray Stucco	Asbestos Not Present	NA	Quartz CaCO3
028	28-2936	Homogeneous	White Stucco	Asbestos Not Present	NA	Quartz CaCO3
029	29-2936	Layered	White Stucco	Asbestos Not Present	NA	Quartz CaCO3
029a		Layered	Gray Stucco	Asbestos Not Present	NA	Quartz CaCO3
030	30-2936	Homogeneous	Gray Stucco	Asbestos Not Present	NA	Quartz CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232017	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/17/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/17/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2936

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
031	31-2936	Homogeneous	Black Tar	Asbestos Present Chrysotile 8	NA	Tar
032	32-2936	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint
033	33-2936	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint
034	34-2936	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint
035	35-2936	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
036	36-2936	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
037	37-2936	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 232017

Account Number: B929

Date Received: 02/17/2014

Received By: Joanna Mueller

Date Analyzed: 02/17/2014

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.2936

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
038	38-2936	Homogeneous	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
039	39-2936	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
040	40-2936	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
041	41-2936	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

Gayle Ooten, Analyst

2/17/2014

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



# ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502  
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

## LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only  
 Lab No. 232017  
 Accept  Reject

Report Results  one box  
 QuanTEM Website  
 Other email

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-061.2936	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	2/14/14	Fax	<i>[Signature]</i>	2/17/14 10:00

### REQUESTED SERVICES (Please check the Appropriate Boxes)

	PLM	PLM	TEM		TEM		TURNAROUND TIME
			Air- AHRA	Air- NIOSH 7402	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative [weight%]- Chatfield	
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/>	Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/>	PCM	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/>	NIOSH 7400	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/>		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	1-2936	<input checked="" type="checkbox"/>			Do Not Test Aesthetic
2	2-2936	<input type="checkbox"/>			
3	3-2936	<input type="checkbox"/>			
4	4-2936	<input type="checkbox"/>			
5	5-2936	<input type="checkbox"/>			
6	6-2936	<input type="checkbox"/>			
7	7-2936	<input type="checkbox"/>			
8	8-2936	<input type="checkbox"/>			
9	9-2936	<input type="checkbox"/>			
10	10-2936	<input checked="" type="checkbox"/>			



**ASBESTOS CHAIN OF CUSTODY**  
 2033 Heritage Park Drive, Oklahoma City, OK 73120-7502  
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only
Lab No. <u>232017</u>
Accept <input checked="" type="radio"/> Reject <input type="radio"/>

Project Information		Project Name: DNS		Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11-2936	<input checked="" type="checkbox"/>				
12	12-2936	<input type="checkbox"/>				
13	13-2936	<input type="checkbox"/>				
14	14-2936	<input type="checkbox"/>				
15	15-2936	<input type="checkbox"/>				
16	16-2936	<input type="checkbox"/>				
17	17-2936	<input type="checkbox"/>				
18	18-2936	<input type="checkbox"/>				
19	19-2936	<input type="checkbox"/>				
20	20-2936	<input type="checkbox"/>				
21	21-2936	<input type="checkbox"/>				
22	22-2936	<input type="checkbox"/>				
23	23-2936	<input type="checkbox"/>				
24	24-2936	<input type="checkbox"/>				
25	25-2936	<input type="checkbox"/>				
26	26-2936	<input type="checkbox"/>				
27	27-2936	<input type="checkbox"/>				
28	28-2936	<input type="checkbox"/>				
29	29-2936	<input type="checkbox"/>				
30	30-2936	<input checked="" type="checkbox"/>				



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Page 3 of 3

For Lab Use Only

Lab No. 232017

Accept  Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31-2936	<input checked="" type="checkbox"/>				
32	32-2936	<input type="checkbox"/>				
33	33-2936	<input type="checkbox"/>				
34	34-2936	<input type="checkbox"/>				
35	35-2936	<input type="checkbox"/>				
36	36-2936	<input type="checkbox"/>				
37	37-2936	<input type="checkbox"/>				
38	38-2936	<input type="checkbox"/>				
39	39-2936	<input type="checkbox"/>				Do Not Test Mastic
40	40-2936	<input type="checkbox"/>				
41	41-2936	<input checked="" type="checkbox"/>				
42		<input type="checkbox"/>				
43		<input type="checkbox"/>				
44		<input type="checkbox"/>				
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				

## **IX. HMG CERTIFICATION**



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T. Jacobsen  
W1316781 Kipling Dr  
Monkego WI 53150-3401

		160 lbs	5' 08"
ALL-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

is certified under ch. HFS 159, Wis. Adm. Code as a

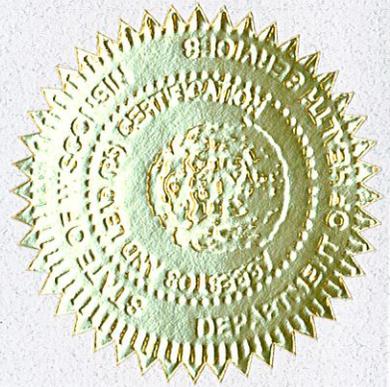
Asbestos Company - Primary

Certificate Issue Date: 09/11/2013  
Expiration Date: 08/31/2015, 12:01 a.m.  
Certification #: CAP-480540

Wisconsin Department of Health Services  
Division of Public Health  
Bureau of Environmental and Occupational Health  
Asbestos & Lead Section  
PO Box 2659  
Madison WI 53701-2659  
Phone: (608) 261-6876



*Shelley A. Bruce*  
Shelley A. Bruce,  
Unit Supervisor





**ASBESTOS SNIP INSPECTION REPORT**

**Job Site:**

**Two Family Dwelling  
2844 North 19<sup>th</sup> Street  
Milwaukee, Wisconsin**

For:

City of Milwaukee  
Department of Neighborhood Services  
Attn: Marge Piwaron  
841 North Broadway 1<sup>st</sup> Floor  
Milwaukee, Wisconsin 53202-3613

**HMG Report No.: 14-200-061.2844  
Contract No.: 360-14-0745**

\_\_\_\_\_  
Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

**HARENDA MANAGEMENT GROUP**  
1237 West Bruce Street  
Milwaukee, Wisconsin 53204

**February 2014**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2844 North 19<sup>th</sup> Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, linoleum, ceramic tile, blown in insulation, ceiling tile, drywall/joint compound, flue packing, window glazing compound, and magnesia pipe insulation to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M*.

## II. BUILDING SURVEY

Marge Piwaron, of the City of Milwaukee Department of Neighborhood Services, authorized HMG to conduct a building survey and to analyze samples taken during the inspection.

**On February 14, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2844 North 19<sup>th</sup> Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document. If you have any questions please contact HMG at (414) 383-4800.

## III. THE LABORATORY

### A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

#### IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, linoleum, ceramic tile, blown in insulation, ceiling tile, drywall/joint compound, flue packing, window glazing compound, and magnesia pipe insulation. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2844	2 <sup>nd</sup> floor – living room closet – under floor tile – tan linoleum	Negative	N/A	MFLt
2-2844	2 <sup>nd</sup> floor – bathroom – white linoleum	Negative	N/A	MFLw
3-2844a	2 <sup>nd</sup> floor – bathroom – on walls – white and blue ceramic tile	Negative	N/A	MCTMwb
3-2844b	2 <sup>nd</sup> floor – bathroom – on walls – grout	Negative	N/A	MCTMwb
4-2844a	2 <sup>nd</sup> floor – bathroom – east wall – plaster skim coat	Negative	N/A	SPI
4-2844b	2 <sup>nd</sup> floor – bathroom – east wall – plaster base coat	Negative	N/A	SPI
5-2844a	2 <sup>nd</sup> floor – kitchen – south wall – plaster skim coat	Negative	N/A	SPI
5-2844b	2 <sup>nd</sup> floor – kitchen – south wall – plaster base coat	Negative	N/A	SPI
6-2844a	1 <sup>st</sup> floor – east bedroom – north wall – plaster skim coat	Negative	N/A	SPI
6-2844b	1 <sup>st</sup> floor – east bedroom – north wall – plaster base coat	Negative	N/A	SPI
7-2844a	1 <sup>st</sup> floor – living room – south wall – plaster skim coat	Negative	N/A	SPI
7-2844b	1 <sup>st</sup> floor – living room – south wall – plaster base coat	Negative	N/A	SPI
8-2844a	1 <sup>st</sup> floor – dining room – east wall – patch layer	Negative	N/A	SPI
8-2844b	1 <sup>st</sup> floor – dining room – east wall – plaster skim coat	Negative	N/A	SPI
8-2844c	1 <sup>st</sup> floor – dining room – east wall – plaster base coat	Negative	N/A	SPI
9-2844	2 <sup>nd</sup> floor – kitchen – west side under floor tile – white and tan linoleum	Negative	N/A	MFLwt
10-2844	2 <sup>nd</sup> floor – kitchen – east side under floor tile – white and tan linoleum	Negative	N/A	MFLwt
11-2844	2 <sup>nd</sup> floor – kitchen – center under floor tile – white and tan linoleum	Negative	N/A	MFLwt
12-2844	2 <sup>nd</sup> floor – kitchen – northwest corner – gray and beige linoleum	Negative	N/A	MFLye
13-2844a	2 <sup>nd</sup> floor – east bedroom – south wall – plaster #2 skim coat	Negative	N/A	SPI2

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
13-2844b	2 <sup>nd</sup> floor – east bedroom – south wall – plaster #2 base coat	Negative	N/A	SPI2
13-2844c	2 <sup>nd</sup> floor – east bedroom – south wall – drywall	Negative	N/A	SPI2
14-2844a	2 <sup>nd</sup> floor – north bedroom – east wall – plaster #2 skim coat	Negative	N/A	SPI2
14-2844b	2 <sup>nd</sup> floor – north bedroom – east wall – plaster #2 base coat	Negative	N/A	SPI2
15-2844a	1 <sup>st</sup> floor – northeast bedroom – south wall – plaster #2 skim coat	Negative	N/A	SPI2
15-2844b	1 <sup>st</sup> floor – northeast bedroom – south wall – plaster #2 base coat	Negative	N/A	SPI2
16-2844	2 <sup>nd</sup> floor – kitchen – bottom layer west side – beige and tan linoleum	Negative	N/A	MFLet
17-2844	2 <sup>nd</sup> floor – kitchen – on crawl space floor – blown in insulation	Negative	N/A	MBI
18-2844	Attic – on crawl – blown in insulation	Negative	N/A	MBI
19-2844	Attic – on crawl – blown in insulation	Negative	N/A	MBI
20-2844	2 <sup>nd</sup> floor – living room – east side – 1' x 1' ceiling tile	Negative	N/A	MSCT11
21-2844	2 <sup>nd</sup> floor – living room – center – 1' x 1' ceiling tile	Negative	N/A	MSCT11
22-2844	2 <sup>nd</sup> floor – living room – west side – 1' x 1' ceiling tile	Negative	N/A	MSCT11
23-2844a	2 <sup>nd</sup> floor – west bedroom – east wall – joint compound	Negative	N/A	MDW
23-2844b	2 <sup>nd</sup> floor – west bedroom – east wall – drywall	Negative	N/A	MDW
24-2844a	2 <sup>nd</sup> floor – living room – north wall – joint compound	Negative	N/A	MDW
24-2844b	2 <sup>nd</sup> floor – living room – north wall – drywall	Negative	N/A	MDW
25-2844a	1 <sup>st</sup> floor – west bedroom – south wall – joint compound	Negative	N/A	MDW
25-2844b	1 <sup>st</sup> floor – west bedroom – south wall – drywall	Negative	N/A	MDW
26-2844	2 <sup>nd</sup> floor – west bedroom – ceiling – texture	Negative	N/A	STX
27-2844	1 <sup>st</sup> floor – northeast bedroom – ceiling – texture	Negative	N/A	STX
28-2844	1 <sup>st</sup> floor – dining room – ceiling – texture	Negative	N/A	STX
29-2844	2 <sup>nd</sup> floor – back hall – tan and brown linoleum	Negative	N/A	MFLtn
30-2844	Basement – stair – tan and brown linoleum	Negative	N/A	MFLtn
31-2844	1 <sup>st</sup> floor – stair – tan and brown linoleum	Negative	N/A	MFLtn
32-2844	Basement – stair – on landing – gray and blue linoleum	Negative	N/A	MFLyb
33-2844	Basement – on chimney – top layer – gray flue packing	Negative	N/A	TFPy
<b>34-2844a</b>	<b>Basement – on chimney – 2<sup>nd</sup> layer – white flue packing</b>	<b>Positive 20% Chrysotile</b>	<b>2 Sq. Ft.</b>	<b>TFPw</b>
34-2844b	Basement – on chimney – 3 <sup>rd</sup> layer – dark gray flue packing	Negative	N/A	TFPydark
<b>35-2844</b>	<b>Basement – west side - &lt;5" diameter magnesia pipe insulation</b>	<b>Positive 30% Chrysotile</b>	<b>130 Ln. Ft. &amp; 28 Fittings</b>	<b>TM5</b>
<b>36-2844</b>	<b>Basement – center - &lt;5" diameter magnesia pipe insulation</b>	<b>Positive 30% Chrysotile</b>	<b>Reference 35-2844</b>	<b>TM5</b>

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
37-2844	Basement – east side - <5” diameter magnesia pipe insulation	Positive 30% Chrysotile	Reference 35-2844	TM5
38-2844	Basement – west window – glazing compound	Negative	N/A	MPG
39-2844	2 <sup>nd</sup> floor – west bedroom – west window – glazing compound	Negative	N/A	MPG
40-2844	1 <sup>st</sup> floor – dining room – north window – glazing compound	Negative	N/A	MPG
41-2844	1 <sup>st</sup> floor – kitchen – south side under floor tile – gray linoleum	Negative	N/A	MFLy
42-2844	1 <sup>st</sup> floor – kitchen – east side under floor tile – gray linoleum	Negative	N/A	MFLy
43-2844	1 <sup>st</sup> floor – kitchen – west side under floor tile – gray linoleum	Negative	N/A	MFLy
44-2844	1 <sup>st</sup> floor – kitchen – west side under plywood – gray and white linoleum	Negative	N/A	MFLyw
45-2844a	1 <sup>st</sup> floor – bathroom under plywood – beige linoleum	Negative	N/A	MFLe
45-2844b	1 <sup>st</sup> floor – bathroom under linoleum – tar paper	Negative	N/A	MPT

**Notes:** N/A = Not Applicable  
Ln. Ft. = Linear Feet

#### Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,200 Sq. Ft.
1 <sup>st</sup> / 2 <sup>nd</sup>	Dwelling	Asphalt Shingle Siding	2,800 Sq. Ft.
1 <sup>st</sup>	Dining Room/Bathroom/Kitchen	Floor Tile & Mastic	400 Sq. Ft.
1 <sup>st</sup>	Stair/Kitchen	Floor & Wall Mastic	180 Sq. Ft.
2 <sup>nd</sup>	Bathroom/Hall	Floor & Wall Mastic	170 Sq. Ft.
2 <sup>nd</sup>	Kitchen/Living Room	Floor Tile & Mastic	300 Sq. Ft.

#### Homogeneous Material Codes

SPI	Plaster
STX	Texture
MFLt	Tan Linoleum
MFLw	White Linoleum
MFLwt	White & Tan linoleum
MFLye	Gray & Beige Linoleum
MFLet	Beige & Gray Linoleum
MFLtn	Tan & Brown Linoleum
MFLyb	Gray & Blue Linoleum
MFLy	Gray Linoleum
MFLyw	Gray & White Linoleum
MFLe	Beige Linoleum
MCTMwb	White & Blue Ceramic Tile
MBI	Blown in Insulation
MSCT11	1' x 1' Ceiling Tile
MDW	Drywall/Joint Compound
MPG	Glazing Compound
MPT	Tar Paper
TM5	<5” Diameter Magnesia Pipe Insulation
TFPy	Gray Flue Packing

### Homogeneous Material Codes

TFPyLight	Light Gray Flue Packing
TFPw	White Flue Packing

**Note#1:** Category I – Non-Friable Asbestos Containing Materials may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

**Note#2:** If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

**Note#3:** A copy of this report should be transmitted to the demolition contractor.

**Note#4:** Additional magnesia and fittings may be within walls.

## V. EXCLUSIONS

**Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.**

HMG is not and shall not represent the building owner as its agent or representative for the purpose of the US EPA/NESHAP and/or the WDNR/NR447 regulations, as owner/operator.

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

## VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

*This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.*

## VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

This guide lists materials and products commonly found in buildings with examples. It is not intended as a substitute for reading the rules and statutes and making your own independent determination of their applicability to your demolition project. These examples presented here do not represent an exhaustive listing of types of materials that may be required to be removed from the building prior to demolition.

## **ASBESTOS**

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

## **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

## **LEAD**

Lead or Lead Based Paint (LBP) is common in many older buildings. When recycling construction and demolition debris, be aware that wood containing lead paint may not be chipped and spread for landscaping. State law also prohibits the sale or transfer of any fixture or other object containing LBP that might be placed upon any surface of a dwelling, which is ordinarily accessible to children.

## **MERCURY**

Products that may contain mercury:

### **LIGHTING**

<u>2</u>	Fluorescent Lights – 2 <sup>nd</sup> Floor Kitchen, Basement
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

### **HVAC**

Check thermostats and any control associated with air handling units for switches containing mercury.

### **HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS**

<u>N/A</u>	Old Thermostats
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

### **BOILERS, FURNACES, HEATERS AND TANKS – 1 Boiler in Basement**

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>N/A</u>	Space Heaters

## **ELECTRICAL SYSTEMS**

<u>  N/A  </u>	Load Meters and Supply Relays
<u>  N/A  </u>	Phase Splitters
<u>  N/A  </u>	Microwave Relays
<u>  N/A  </u>	Mercury Displacement Relays

### **PCBs**

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building where PCBs may be found:

<u>  N/A  </u>	Transformers
<u>  N/A  </u>	Capacitors (appliances, electronic equipment)
<u>  N/A  </u>	Heat Transfer Equipment
<u>  N/A  </u>	Light Ballasts
<u>  N/A  </u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>  N/A  </u>	Sumps or Oil Traps (in maintenance and industrial facilities)

## **OTHER ENVIRONMENTAL ISSUES**

<u>  N/A  </u>	Hazardous Waste
<u>  N/A  </u>	Oil Tanks
<u>  N/A  </u>	Well Abandonment
<u>  N/A  </u>	Junk Auto Tires
<u>  N/A  </u>	Junk Vehicles

\* 2 Gas Meters in Basement

## VIII. LABORATORY RESULTS



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232014	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/17/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/17/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2844

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-2844	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar
002	2-2844	Homogeneous	White Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
003	3-2844	Layered	White/Blue Ceramic Tile	Asbestos Not Present	NA	Clay
003a		Layered	White Grout	Asbestos Not Present	NA	CaCO3
004	4-2844	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
004a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
005	5-2844	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
005a		Layered	Tan Plaster	Asbestos Not Present	NA	Quartz CaCO3
006	6-2844	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
006a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
007	7-2844	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint
007a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Perlite
008	8-2844	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
008a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008b		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
009	9-2844	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
010	10-2844	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
011	11-2844	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
012	12-2844	Homogeneous	Black/Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar
013	13-2844	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
013a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Perlite

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
014	14-2844	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
014a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Perlite
015	15-2844	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
015a		Layered	Gray Plaster	Asbestos Not Present	NA	Gypsum Perlite
016	16-2844	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
017	17-2844	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 99	Binder

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QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18-2844	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 99	Binder
019	19-2844	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 99	Binder
020	20-2844	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint
021	21-2844	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint
022	22-2844	Homogeneous	White Ceiling Tile	Asbestos Not Present	Cellulose 80	Paint
023	23-2844	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
023a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum

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### Polarized Light Microscopy Asbestos Analysis Report

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Account Number: B929	Jolene Harenda
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Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/17/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2844

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	24-2844	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
024a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
025	25-2844	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
025a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
026	26-2844	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
027	27-2844	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint
028	28-2844	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Paint

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2844

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
029	29-2844	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
030	30-2844	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
031	31-2844	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
032	32-2844	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
033	33-2844	Homogeneous	Gray Stucco	Asbestos Not Present	NA	Quartz CaCO3
034	34-2844	Layered	White Insulation	Asbestos Present Chrysotile 20	NA	CaCO3
034a		Layered	Gray Stucco	Asbestos Not Present	NA	Quartz CaCO3

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Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
035	35-2844	Homogeneous	White Insulation	Asbestos Present Chrysotile 30	Cellulose 10	Gypsum
036	36-2844	Homogeneous	White Insulation	Asbestos Present Chrysotile 30	Cellulose 10	Gypsum
037	37-2844	Homogeneous	White Insulation	Asbestos Present Chrysotile 30	Cellulose 10	Gypsum
038	38-2844	Homogeneous	Brown Window Glazing	Asbestos Not Present	NA	CaCO3
039	39-2844	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
040	40-2844	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
041	41-2844	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 10 Synthetic 10	Vinyl

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.

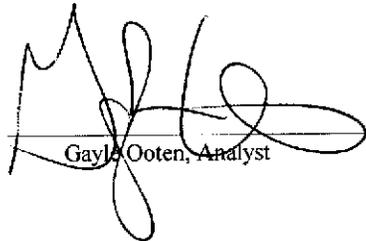


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232014	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/17/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/17/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2844

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
042	42-2844	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
043	43-2844	Homogeneous	Brown Sheet Vinyl	Asbestos Not Present	Cellulose 10 Synthetic 10	Vinyl
044	44-2844	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 15 Synthetic 15	Vinyl
045	45-2844	Layered	Tan Sheet Vinyl	Asbestos Not Present	Synthetic 20	Vinyl
045a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

  
 Gayle Ooten, Analyst

2/17/2014  
 Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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# ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502  
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

## LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only  
 Lab No. 232014  
 Accept  Reject

Report Results ( one box)  
 QuantEM Website  
 Other email \_\_\_\_\_

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-061.2844	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	2/14/14 1700	FedEx	<i>J. Mueller</i>	2/17/14 1000

### REQUESTED SERVICES (Please check the appropriate boxes)

PLM	PLM	TEM	TEM	TURNAROUND TIME
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air-AHERA	<input type="checkbox"/> Bulk-Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air-NIOSH 7402	<input type="checkbox"/> Bulk-Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air-ISO 10312	<input type="checkbox"/> Dust-Presence / Absence	<input checked="" type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust-Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	Other	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	1-2844	<input checked="" type="checkbox"/>			DO NOT TEST Mastic
2	2-2844	<input type="checkbox"/>			
3	3-2844	<input type="checkbox"/>			
4	4-2844	<input type="checkbox"/>			
5	5-2844	<input type="checkbox"/>			
6	6-2844	<input type="checkbox"/>			
7	7-2844	<input type="checkbox"/>			
8	8-2844	<input type="checkbox"/>			
9	9-2844	<input type="checkbox"/>			
10	10-2844	<input checked="" type="checkbox"/>			



# ASBESTOS CHAIN OF CUSTODY

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 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only	
Lab No. <u>232014</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information			Project Name: DNS	Project Location: Milwaukee, WI		
Company: Harenda Management Group						
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11-2844	<input checked="" type="checkbox"/>				Do Not Test Master
12	12-2844	<input type="checkbox"/>				
13	13-2844	<input type="checkbox"/>				
14	14-2844	<input type="checkbox"/>				
15	15-2844	<input type="checkbox"/>				
16	16-2844	<input type="checkbox"/>				
17	17-2844	<input type="checkbox"/>				
18	18-2844	<input type="checkbox"/>				
19	19-2844	<input type="checkbox"/>				
20	20-2844	<input type="checkbox"/>				
21	21-2844	<input type="checkbox"/>				
22	22-2844	<input type="checkbox"/>				
23	23-2844	<input type="checkbox"/>				
24	24-2844	<input type="checkbox"/>				
25	25-2844	<input type="checkbox"/>				
26	26-2844	<input type="checkbox"/>				
27	27-2844	<input type="checkbox"/>				
28	28-2844	<input type="checkbox"/>				
29	29-2844	<input type="checkbox"/>				
30	30-2844	<input checked="" type="checkbox"/>				



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**ASBESTOS CHAIN OF CUSTODY**

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 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only
Lab No. <u>23204</u>
<input checked="" type="radio"/> Accept <input type="radio"/> Reject

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31-2844	<input checked="" type="checkbox"/>				Do Not Test Mastic
32	32-2844	<input type="checkbox"/>				
33	33-2844	<input type="checkbox"/>				
34	34-2844	<input type="checkbox"/>				
35	35-2844	<input type="checkbox"/>				
36	36-2844	<input type="checkbox"/>				
37	37-2844	<input type="checkbox"/>				
38	38-2844	<input type="checkbox"/>				
39	39-2844	<input type="checkbox"/>				
40	40-2844	<input type="checkbox"/>				
41	41-2844	<input type="checkbox"/>				
42	42-2844	<input type="checkbox"/>				
43	43-2844	<input type="checkbox"/>				
44	44-2844	<input type="checkbox"/>				
45	45-2844	<input checked="" type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				

## **IX. HMG CERTIFICATION**



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T. Jacobsen  
W1316781 Kipling Dr  
Monkego WI 53150-3401

		160 lbs	5' 08"
ALL-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

is certified under ch. HFS 159, Wis. Adm. Code as a

Asbestos Company - Primary

Certificate Issue Date: 09/11/2013  
Expiration Date: 08/31/2015, 12:01 a.m.  
Certification #: CAP-480540

Wisconsin Department of Health Services  
Division of Public Health  
Bureau of Environmental and Occupational Health  
Asbestos & Lead Section  
PO Box 2659  
Madison WI 53701-2659  
Phone: (608) 261-6876



*Shelley A Bruce*  
Shelley A Bruce,  
Unit Supervisor





**ASBESTOS SNIP INSPECTION REPORT**

**Job Site:**

**Two Family Dwelling  
3119 North 24<sup>th</sup> Place  
Milwaukee, Wisconsin**

For:

City of Milwaukee  
Department of Neighborhood Services  
Attn: Marge Piwaron  
841 North Broadway 1<sup>st</sup> Floor  
Milwaukee, Wisconsin 53202-3613

**HMG Report No.: 14-200-061.3119  
Contract No.: 360-14-0745**

Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

**HARENDA MANAGEMENT GROUP**  
1237 West Bruce Street  
Milwaukee, Wisconsin 53204

**February 2014**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 3119 North 24<sup>th</sup> Place, Milwaukee, Wisconsin.

The inspection included plaster, drywall, ceramic tile, window glazing compound, duct paper, flue packing, linoleum, blown in insulation, and tar paper to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M*.

## II. BUILDING SURVEY

Marge Piwaron, of the City of Milwaukee Department of Neighborhood Services, authorized HMG to conduct a building survey and to analyze samples taken during the inspection.

**On February 14, 2014 HMG conducted an asbestos inspection of a five family dwelling, scheduled for mechanical demolition, located at 3119 North 24<sup>th</sup> Place, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document. If you have any questions please contact HMG at (414) 383-4800.

## III. THE LABORATORY

### A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

#### IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, drywall, ceramic tile, window glazing compound, duct paper, flue packing, linoleum, blown in insulation, and tar paper. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-3119a	1 <sup>st</sup> floor – front entry – south wall – plaster skim coat	Negative	N/A	SPI
1-3119b	1 <sup>st</sup> floor – front entry – south wall – plaster base coat	Negative	N/A	SPI
2-3119a	1 <sup>st</sup> floor – living room – south wall – plaster skim coat	Negative	N/A	SPI
2-3119b	1 <sup>st</sup> floor – living room – south wall – plaster base coat	Negative	N/A	SPI
3-3119a	1 <sup>st</sup> floor – back hall – north wall – plaster skim coat	Negative	N/A	SPI
3-3119b	1 <sup>st</sup> floor – back hall – north wall – plaster base coat	Negative	N/A	SPI
4-3119a	2 <sup>nd</sup> floor – kitchen – west wall – plaster skim coat	Negative	N/A	SPI
4-3119b	2 <sup>nd</sup> floor – kitchen – west wall – plaster base coat	Negative	N/A	SPI
5-3119a	2 <sup>nd</sup> floor – living room – west wall – plaster skim coat	Negative	N/A	SPI
5-3119b	2 <sup>nd</sup> floor – living room – west wall – plaster base coat	Negative	N/A	SPI
6-3119a	2 <sup>nd</sup> floor – west bedroom – west wall – plaster skim coat	Negative	N/A	SPI
6-3119b	2 <sup>nd</sup> floor – west bedroom – west wall – plaster base coat	Negative	N/A	SPI
7-3119	Basement – south side – ceiling – plaster	Negative	N/A	SPI
8-3119	1 <sup>st</sup> floor – west bedroom – north wall – drywall	Negative	N/A	MDW
9-3119	2 <sup>nd</sup> floor – back hall – west wall – drywall	Negative	N/A	MDW
10-3119	2 <sup>nd</sup> floor – kitchen – north wall – drywall	Negative	N/A	MDW
11-3119a	1 <sup>st</sup> floor – bathroom floor – gray ceramic tile	Negative	N/A	MCTMy
11-3119b	1 <sup>st</sup> floor – bathroom floor – grout	Negative	N/A	MCTMy
12-3119	2 <sup>nd</sup> floor – bathroom floor – white ceramic tile	Negative	N/A	MCTMw
<b>13-3119</b>	<b>Basement – south window – glazing compound</b>	<b>Positive 3% Chrysotile</b>	<b>8 Windows</b>	<b>MPG</b>
14-3119	Basement – on chimney – flue packing	Negative	N/A	TFP
15-3119	2 <sup>nd</sup> floor – bathroom – on floor – blown in insulation	Negative	N/A	MBI
16-3119	2 <sup>nd</sup> floor – living room – in walls – blown in insulation	Negative	N/A	MBI
17-3119	Attic – on floor – blown in insulation	Negative	N/A	MBI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
18-3119	1 <sup>st</sup> floor – bathroom – north side – gray and white linoleum	Negative	N/A	MFLyw
19-3119	1 <sup>st</sup> floor – back hall – under floor tile – yellow linoleum	Negative	N/A	MFLI
20-3119	2 <sup>nd</sup> floor – bathroom – on east wall duct – duct paper	Positive 65% Chrysotile	40 Sq. Ft.	TDW
21-3119	2 <sup>nd</sup> floor – living room – on floor duct – duct paper	Positive 65% Chrysotile	Reference 20-3119	TDW
22-3119	1 <sup>st</sup> floor – north bedroom closet – on duct – duct paper	Positive 65% Chrysotile	Reference 20-3119	TDW
23-3119	2 <sup>nd</sup> floor – living room – under wood floor – tar paper	Negative	N/A	MPT

**Notes:** N/A = Not Applicable  
Sq. Ft. = Square Feet

### Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,000 Sq. Ft.
1 <sup>st</sup> / 2 <sup>nd</sup>	Dwelling	Asphalt Shingle Siding	2,000 Sq. Ft.
1 <sup>st</sup>	Front Entry/Bathroom/Kitchen/Stair	Floor Tile & Mastic	250 Sq. Ft.
2 <sup>nd</sup>	Kitchens/Stair/Hall	Floor Tile & Mastic	170 Sq. Ft.

#### Homogeneous Material Codes

SPI	Plaster
MPT	Tar Paper
MDW	Drywall
MPG	Glazing Compound
MFLyw	Gray & White Linoleum
MFLI	Yellow Linoleum
MCTMy	Gray Ceramic Tile
MCTMw	White Ceramic Tile
MBI	Blown in Insulation
TFP	Flue Packing
TDW	Duct Paper

**Note#1:** Category I – Non-Friable Asbestos Containing Materials may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

**Note#2:** If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

**Note#3:** A copy of this report should be transmitted to the demolition contractor.

**Note#4:** Additional duct paper may be within walls and ceilings.

## V. EXCLUSIONS

**Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.**

HMG is not and shall not represent the building owner as its agent or representative for the purpose of the US EPA/NESHAP and/or the WDNR/NR447 regulations, as owner/operator.

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

## VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

*This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.*

## VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

This guide lists materials and products commonly found in buildings with examples. It is not intended as a substitute for reading the rules and statutes and making your own independent determination of their applicability to your demolition project. These examples presented here do not represent an exhaustive listing of types of materials that may be required to be removed from the building prior to demolition.

### **ASBESTOS**

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health & Family Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

### **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

### **LEAD**

Lead or Lead Based Paint (LBP) is common in many older buildings. When recycling construction and demolition debris, be aware that wood containing lead paint may not be chipped and spread for landscaping. State law also prohibits the sale or transfer of any fixture or other object containing LBP that might be placed upon any surface of a dwelling, which is ordinarily accessible to children.

## **MERCURY**

Products that may contain mercury:

### **LIGHTING**

<u>N/A</u>	Fluorescent Lights
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

### **HVAC**

Check thermostats and any control associated with air handling units for switches containing mercury.

### **HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS**

<u>N/A</u>	Old Thermostats
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

### **BOILERS, FURNACES, HEATERS AND TANKS – 2 Furnaces in Basement**

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>N/A</u>	Space Heaters

## **ELECTRICAL SYSTEMS – 2 Breaker Boxes in Basement**

<u>N/A</u>	Load Meters and Supply Relays
<u>N/A</u>	Phase Splitters
<u>N/A</u>	Microwave Relays
<u>N/A</u>	Mercury Displacement Relays

### **PCBs**

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building where PCBs may be found:

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>N/A</u>	Light Ballasts
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

### **OTHER ENVIRONMENTAL ISSUES**

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>N/A</u>	Junk Auto Tires
<u>N/A</u>	Junk Vehicles

## VIII. LABORATORY RESULTS



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 232061	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/18/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.3119

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-3119	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
001a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
002	2-3119	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
002a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
003	3-3119	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
003a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
004	4-3119	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3 Paint

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.3119

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
005	5-3119	Layered	White Skim Coat	Asbestos Not Present	NA	Quartz CaCO3 Paint
005a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
006	6-3119	Layered	Gray Skim Coat	Asbestos Not Present	NA	Quartz CaCO3
006a		Layered	White Plaster	Asbestos Not Present	NA	Quartz CaCO3
007	7-3119	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 20	Gypsum
008	8-3119	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum Paint

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuantEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 232061	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/18/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.3119

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
009	9-3119	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 25	Gypsum
010	10-3119	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 15	Gypsum
011	11-3119	Layered	Brown Ceramic Tile	Asbestos Not Present	NA	Clay
011a		Layered	Gray Grout	Asbestos Not Present	NA	Quartz CaCO3
012	12-3119	Homogeneous	Pink Ceramic Tile	Asbestos Not Present	NA	Clay
013	13-3119	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
014	14-3119	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

**Polarized Light Microscopy Asbestos Analysis Report**

Quantem Lab No. 232061

Account Number: B929

Date Received: 02/18/2014

Received By: Joanna Mueller

Date Analyzed: 02/18/2014

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.3119

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
015	15-3119	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 99	Binder
016	16-3119	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 99	Binder
017	17-3119	Homogeneous	Gray Insulation	Asbestos Not Present	Cellulose 99	Binder
018	18-3119	Homogeneous	Gray Sheet Vinyl	Asbestos Not Present	Cellulose 10 Synthetic 10	Vinyl
019	19-3119	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl

Gayle Ooten, Analyst

2/18/2014

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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# ASBESTOS CHAIN OF CUSTODY

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 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

www.QuanTEM.com

## LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

For Lab Use Only  
 Lab No. 232061  
 Accept  Reject  
 Report Results  (one box)  
 QuanTEM Website  
 Other\_email

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-061.3119	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
			<i>J. Mueller</i>	2/18/14 10:00

REQUESTED SERVICES (Please check the Appropriate Boxes)

No.	Sample ID (10 Characters Max)	To Be Analyzed	PLM		PLM		TEM		TEM		TURNAROUND TIME	Comments / Notes									
			Bulk Analysis (EPA 600/R-93/116)	400 Point Count	1000 Point Count	Gravimetric Preparation	Particle ID	Vermiculite Attic Insulation (EPA 600/R-04/004)	Other	Air- AHERA			Air- NIOSH 7402	Air- ISO 10312	Drinking Water- EPA 100.2	Waste Water- EPA 600/4-83-043	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative [weight%]- Chatfield	Dust- Presence / Absence	Dust- Quantitative [fibers/sq.cm]- ASTM D5755	Other
1	1-3(19)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>																		
2	2-3(19)	<input type="checkbox"/>																			
3	3-3(19)	<input type="checkbox"/>																			
4	4-3(19)	<input type="checkbox"/>																			
5	5-3(19)	<input type="checkbox"/>																			
6	6-3(19)	<input type="checkbox"/>																			
7	7-3(19)	<input type="checkbox"/>																			
8	8-3(19)	<input type="checkbox"/>																			
9	9-3(19)	<input type="checkbox"/>																			
10	10-3(19)	<input checked="" type="checkbox"/>																			



# ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502  
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only	
Lab No. <u>232061</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11-3119	<input checked="" type="checkbox"/>				
12	12-3119	<input type="checkbox"/>				
13	13-3119	<input type="checkbox"/>				
14	14-3119	<input type="checkbox"/>				
15	15-3119	<input type="checkbox"/>				
16	16-3119	<input type="checkbox"/>				
17	17-3119	<input type="checkbox"/>				
18	18-3119	<input type="checkbox"/>				
19	19-3119	<input checked="" type="checkbox"/>				Do Not Test Mastic
20		<input type="checkbox"/>				
21		<input type="checkbox"/>				
22		<input type="checkbox"/>				
23		<input type="checkbox"/>				
24		<input type="checkbox"/>				
25		<input type="checkbox"/>				
26		<input type="checkbox"/>				
27		<input type="checkbox"/>				
28		<input type="checkbox"/>				
29		<input type="checkbox"/>				
30		<input type="checkbox"/>				



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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232160

Account Number: B929

Date Received: 02/20/2014

Received By: Joanna Mueller

Date Analyzed: 02/20/2014

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

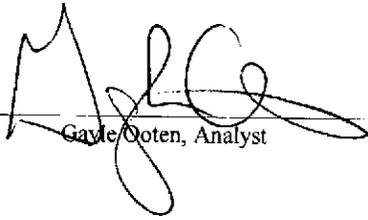
Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.3119

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	20	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 65	Cellulose 20	Binder
002	21	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 65	Cellulose 20	Binder
003	22	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 65	Cellulose 20	Binder
004	23	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

  
Gayle Ooten, Analyst

2/20/2014  
Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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## **IX. HMG CERTIFICATION**



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T. Jacobsen  
W1316781 Kipling Dr  
Monkego WI 53150-3401

		160 lbs	5' 08"
ALL-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

is certified under ch. HFS 159, Wis. Adm. Code as a

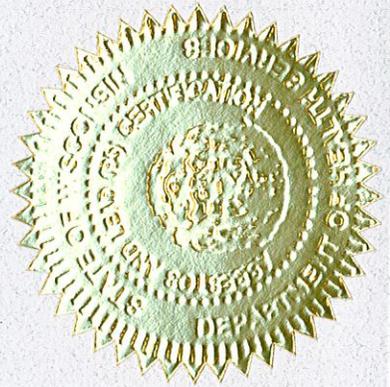
Asbestos Company - Primary

Certificate Issue Date: 09/11/2013  
Expiration Date: 08/31/2015, 12:01 a.m.  
Certification #: CAP-480540

Wisconsin Department of Health Services  
Division of Public Health  
Bureau of Environmental and Occupational Health  
Asbestos & Lead Section  
PO Box 2659  
Madison WI 53701-2659  
Phone: (608) 261-6876



*Shelley A. Bruce*  
Shelley A. Bruce,  
Unit Supervisor





**ASBESTOS SNIP INSPECTION REPORT**

**Job Site:**

**Two Family Dwelling  
1315 West Albany Place  
Milwaukee, Wisconsin**

For:

City of Milwaukee  
Department of Neighborhood Services  
Attn: Marge Piwaron  
841 North Broadway 1<sup>st</sup> Floor  
Milwaukee, Wisconsin 53202-3613

**HMG Report No.: 14-200-061.1315**

**Contract No.: 360-14-0745**

A handwritten signature in black ink, appearing to read 'Dean Jacobsen', is written over a horizontal line.

Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

**HARENDA MANAGEMENT GROUP**  
1237 West Bruce Street  
Milwaukee, Wisconsin 53204

**February 2014**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 1315 West Albany Place, Milwaukee, Wisconsin.

The inspection included plaster, window glazing compound, linoleum, fiberboard, flue packing, drywall/joint compound, blown in insulation, and magnesia pipe insulation to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M*.

## II. BUILDING SURVEY

Marge Piwaron, of the City of Milwaukee Department of Neighborhood Services, authorized HMG to conduct a building survey and to analyze samples taken during the inspection.

**On February 14, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 1315 West Albany Place, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document. If you have any questions please contact HMG at (414) 383-4800.

## III. THE LABORATORY

### A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

#### IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, window glazing compound, linoleum, fiberboard, flue packing, drywall/joint compound, blown in insulation, and magnesia pipe insulation. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-1315	Basement – south window – glazing compound	Negative	N/A	MPG
2-1315	1 <sup>st</sup> floor – living room – north window – glazing compound	Negative	N/A	MPG
3-1315	2 <sup>nd</sup> floor – bathroom – west window – glazing compound	Negative	N/A	MPG
4-1315	1 <sup>st</sup> floor – bathroom – west side top layer – cream linoleum	Negative	N/A	MFLc
5-1315	1 <sup>st</sup> floor – bathroom – west side bottom layer – fiberboard	Negative	N/A	MFB
6-1315	1 <sup>st</sup> floor – stair landing – under floor tile – gray and tan linoleum	Negative	N/A	MFLyt
7-1315a	2 <sup>nd</sup> floor – north bedroom – east wall – joint compound	Negative	N/A	MDW
7-1315b	2 <sup>nd</sup> floor – north bedroom – east wall – drywall	Negative	N/A	MDW
8-1315a	1 <sup>st</sup> floor – kitchen – north wall – joint compound	Negative	N/A	MDW
8-1315b	1 <sup>st</sup> floor – kitchen – north wall – joint compound 2	Negative	N/A	MDW
8-1315c	1 <sup>st</sup> floor – kitchen – north wall – drywall	Negative	N/A	MDW
9-1315a	1 <sup>st</sup> floor – dining room – west wall – joint compound	Negative	N/A	MDW
9-1315b	1 <sup>st</sup> floor – dining room – west wall – drywall	Negative	N/A	MDW
10-1315a	2 <sup>nd</sup> floor – north bedroom – west wall – patch layer	Negative	N/A	SPI
10-1315b	2 <sup>nd</sup> floor – north bedroom – west wall – plaster skim coat	Negative	N/A	SPI
10-1315c	2 <sup>nd</sup> floor – north bedroom – west wall – plaster base coat	Negative	N/A	SPI
11-1315a	2 <sup>nd</sup> floor – living room – east wall – plaster skim coat	Negative	N/A	SPI
11-1315b	2 <sup>nd</sup> floor – living room – east wall – plaster base coat	Negative	N/A	SPI
12-1315a	1 <sup>st</sup> floor – stair – west wall – patch layer	Negative	N/A	SPI
12-1315b	1 <sup>st</sup> floor – stair – west wall – plaster skim coat	Negative	N/A	SPI
12-1315c	1 <sup>st</sup> floor – stair – west wall – plaster base coat	Negative	N/A	SPI
13-1315a	1 <sup>st</sup> floor – pantry – north wall – plaster skim coat	Negative	N/A	SPI
13-1315b	1 <sup>st</sup> floor – pantry – north wall – plaster base coat	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
14-1315a	1 <sup>st</sup> floor – bedroom – south wall – plaster skim coat	Negative	N/A	SPI
14-1315b	1 <sup>st</sup> floor – bedroom – south wall – plaster base coat	Negative	N/A	SPI
15-1315	2 <sup>nd</sup> floor – west bedroom – on floor – blown in insulation	Negative	N/A	MBI
16-1315	2 <sup>nd</sup> floor – living room – on floor – blown in insulation	Negative	N/A	MBI
17-1315	2 <sup>nd</sup> floor – kitchen – on floor – blown in insulation	Negative	N/A	MBI
18-1315	2 <sup>nd</sup> floor – west bedroom – west wall – drywall #2	Negative	N/A	MDW2
19-1315a	2 <sup>nd</sup> floor – kitchen – north wall – joint compound #2	Negative	N/A	MDW2
19-1315b	2 <sup>nd</sup> floor – kitchen – north wall – drywall #2	Negative	N/A	MDW2
20-1315	2 <sup>nd</sup> floor – bathroom – east wall – drywall #2	Negative	N/A	MDW2
21-1315	Basement – on east wall – plaster #2	Negative	N/A	SPI2
22-1315	Basement – on south wall – plaster #2	Negative	N/A	SPI2
23-1315	Basement – on west wall – plaster #2	Negative	N/A	SPI2
24-1315	Basement – on chimney top layer – gray flue packing	Negative	N/A	TFPy
25-1315	Basement – on chimney bottom layer – white flue packing	Negative	N/A	TFPw
26-1315	Basement - <5" diameter magnesia fitting remnants	Positive 30 % Chrysotile	18 Fittings	TM5

**Notes:** N/A = Not Applicable  
Sq. Ft. = Square Feet

### Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	900 Sq. Ft.
1 <sup>st</sup>	Pantry/Stair/Bathroom/Kitchen	Floor Tile & Mastic	600 Sq. Ft.
2 <sup>nd</sup>	Kitchen/Bathroom	Floor Tile & Mastic	380 Sq. Ft.

#### Homogeneous Material Codes

SPI	Plaster
SPI2	Plaster #2
MPG	Glazing Compound
MFLc	Cream Linoleum
MFLyt	Gray & Tan Linoleum
MFB	Fiberboard
MDW	Drywall/Joint Compound
MDW2	Drywall/Joint Compound #2
MBI	Blown in Insulation
TFPw	White Flue Packing
TFPy	Gray Flue Packing
TM5	<5" Diameter Magnesia Pipe Insulation Fitting

**Note#1:** Category I – Non-Friable Asbestos Containing Materials may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

**Note#2:** If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

**Note#3:** A copy of this report should be transmitted to the demolition contractor.

**Note#4:** Additional magnesia may be within walls and ceilings.

## V. EXCLUSIONS

**Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.**

HMG is not and shall not represent the building owner as its agent or representative for the purpose of the US EPA/NESHAP and/or the WDNR/NR447 regulations, as owner/operator.

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

## VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

*This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.*

## **VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST**

This guide lists materials and products commonly found in buildings with examples. It is not intended as a substitute for reading the rules and statutes and making your own independent determination of their applicability to your demolition project. These examples presented here do not represent an exhaustive listing of types of materials that may be required to be removed from the building prior to demolition.

## **ASBESTOS**

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health & Family Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

## **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

## **LEAD**

Lead or Lead Based Paint (LBP) is common in many older buildings. When recycling construction and demolition debris, be aware that wood containing lead paint may not be chipped and spread for landscaping. State law also prohibits the sale or transfer of any fixture or other object containing LBP that might be placed upon any surface of a dwelling, which is ordinarily accessible to children.

## MERCURY

Products that may contain mercury:

### LIGHTING

<u>N/A</u>	Fluorescent Lights
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

### HVAC

Check thermostats and any control associated with air handling units for switches containing mercury.

### HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>1</u>	Old Thermostats – 1 <sup>st</sup> Floor Dining Room
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

### BOILERS, FURNACES, HEATERS AND TANKS

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>N/A</u>	Space Heaters

## **ELECTRICAL SYSTEMS**

<u>  N/A  </u>	Load Meters and Supply Relays
<u>  N/A  </u>	Phase Splitters
<u>  N/A  </u>	Microwave Relays
<u>  N/A  </u>	Mercury Displacement Relays

### **PCBs**

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building where PCBs may be found:

<u>  N/A  </u>	Transformers
<u>  N/A  </u>	Capacitors (appliances, electronic equipment)
<u>  N/A  </u>	Heat Transfer Equipment
<u>  N/A  </u>	Light Ballasts
<u>  N/A  </u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>  N/A  </u>	Sumps or Oil Traps (in maintenance and industrial facilities)

## **OTHER ENVIRONMENTAL ISSUES**

<u>  N/A  </u>	Hazardous Waste
<u>  N/A  </u>	Oil Tanks
<u>  N/A  </u>	Well Abandonment
<u>  N/A  </u>	Junk Auto Tires
<u>  N/A  </u>	Junk Vehicles

\* 1 Gas Meter in Basement

## VIII. LABORATORY RESULTS



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 232027	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/17/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/20/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.1315

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-1315	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
002	2-1315	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
003	3-1315	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
004	4-1315	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
005	5-1315	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
006	6-1315	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
007	7-1315	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232027	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/17/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/20/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.1315

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
008	8-1315	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
008a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3
008b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
009	9-1315	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
009a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
010	10-1315	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Perlite

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Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.1315

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
010a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
010b		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
011	11-1315	Layered	White Skim Coat	Asbestos Not Present	NA	Gypsum CaCO3
011a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
012	12-1315	Layered	White Texture	Asbestos Not Present	NA	Gypsum CaCO3 Perlite
012a		Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
012b		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 232027	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/17/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/20/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.1315

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013	13-1315	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
013a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
014	14-1315	Layered	White Skim Coat	Asbestos Not Present	NA	CaCO3
014a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
015	15-1315	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
016	16-1315	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	
017	17-1315	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 100	

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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232027	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/17/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/20/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.1315

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18-1315	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum Paint
019	19-1315	Layered	Tan Texture	Asbestos Not Present	NA	Gypsum
019a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
020	20-1315	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 3	Gypsum Paint
021	21-1315	Homogeneous	Gray Cement	Asbestos Not Present	NA	Sand CaCO3
022	22-1315	Homogeneous	Gray Cement	Asbestos Not Present	NA	Sand CaCO3
023	23-1315	Homogeneous	Gray Cement	Asbestos Not Present	NA	Sand CaCO3

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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232027

Account Number: B929

Date Received: 02/17/2014

Received By: Joanna Mueller

Date Analyzed: 02/20/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.1315

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
024	24-1315	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Gypsum Perlite
025	25-1315	Homogeneous	Gray Cement	Asbestos Not Present	NA	Sand CaCO3
026	26-1315	Homogeneous	White Insulation	Asbestos Present Chrysotile 30	NA	Gypsum

Cristal Veech, Analyst

2/20/2014

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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# ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502  
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only
Lab No. <u>23202</u>
<input checked="" type="checkbox"/> Accept <input type="checkbox"/> Reject

Project Information		Project Name: DNS		Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11-1315	<input checked="" type="checkbox"/>				
12	12-1315	<input type="checkbox"/>				
13	13-1315	<input type="checkbox"/>				
14	14-1315	<input type="checkbox"/>				
15	15-1315	<input type="checkbox"/>				
16	16-1315	<input type="checkbox"/>				
17	17-1315	<input type="checkbox"/>				
18	18-1315	<input type="checkbox"/>				
19	19-1315	<input type="checkbox"/>				
20	20-1315	<input type="checkbox"/>				
21	21-1315	<input type="checkbox"/>				
22	22-1315	<input type="checkbox"/>				
23	23-1315	<input type="checkbox"/>				
24	24-1315	<input type="checkbox"/>				
25	25-1315	<input checked="" type="checkbox"/>				
26	26-1315	<input type="checkbox"/>				
27		<input type="checkbox"/>				
28		<input type="checkbox"/>				
29		<input type="checkbox"/>				
30		<input type="checkbox"/>				

## **IX. HMG CERTIFICATION**



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen  
W1316781 Kipling Dr  
Monkego WI 53150-3401

		160 lbs	5' 08"
All-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

is certified under ch. HFS 159, Wis. Adm. Code as a

Asbestos Company - Primary

Certificate Issue Date: 09/11/2013  
Expiration Date: 08/31/2015, 12:01 a.m.  
Certification #: CAP-480540

Wisconsin Department of Health Services  
Division of Public Health  
Bureau of Environmental and Occupational Health  
Asbestos & Lead Section  
PO Box 2659  
Madison WI 53701-2659  
Phone: (608) 261-6876



*Shelley A Bruce*  
Shelley A Bruce,  
Unit Supervisor





**ASBESTOS SNIP INSPECTION REPORT**

**Job Site:**

**Fire Damaged  
One Family Rear Dwelling  
1717A West Hopkins Street  
Milwaukee, Wisconsin**

For:

City of Milwaukee  
Department of Neighborhood Services  
Attn: Marge Piwaron  
841 North Broadway 1<sup>st</sup> Floor  
Milwaukee, Wisconsin 53202-3613

**HMG Report No.: 14-200-061.1717A  
Contract No.: 360-14-0745**

A handwritten signature in black ink, appearing to read 'Dean Jacobsen', is written over a horizontal line.

Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

**HARENDA MANAGEMENT GROUP**  
1237 West Bruce Street  
Milwaukee, Wisconsin 53204

**February 2014**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 1717A West Hopkins Street, Milwaukee, Wisconsin.

The inspection included plaster, window glazing compound, paper insulation, joint compound patch, linoleum, flue packing, blown in insulation, and duct paper to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M*.

## II. BUILDING SURVEY

Marge Piwaron, of the City of Milwaukee Department of Neighborhood Services, authorized HMG to conduct a building survey and to analyze samples taken during the inspection.

**On February 12, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 1717A West Hopkins Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document. If you have any questions please contact HMG at (414) 383-4800.

## III. THE LABORATORY

### A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

#### IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, window glazing compound, paper insulation, joint compound patch, linoleum, flue packing, blown in insulation, and duct paper. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1	1 <sup>st</sup> floor – front entry – east wall – plaster	Negative	N/A	SPI
2	1 <sup>st</sup> floor – kitchen – ceiling – plaster	Negative	N/A	SPI
3a	1 <sup>st</sup> floor – south bedroom – south wall – patch layer	Negative	N/A	SPI
3b	1 <sup>st</sup> floor – south bedroom – south wall – plaster	Negative	N/A	SPI
4	1 <sup>st</sup> floor – living room – south wall – plaster	Negative	N/A	SPI
5	2 <sup>nd</sup> floor – south room – north wall – plaster	Negative	N/A	SPI
6a	2 <sup>nd</sup> floor – west bedroom – west wall – plaster skim coat	Negative	N/A	SPI
6b	2 <sup>nd</sup> floor – west bedroom – west wall – plaster base coat	Negative	N/A	SPI
7	2 <sup>nd</sup> floor – south bedroom – south wall – plaster	Negative	N/A	SPI
<b>8</b>	<b>1<sup>st</sup> floor – south bedroom – north window – glazing compound</b>	<b>Positive 3% Chrysotile</b>	<b>20 Windows</b>	<b>MPG</b>
9	1 <sup>st</sup> floor – south bedroom - north window – glazing compound	Negative	N/A	MPG
10	Basement – south window – glazing compound	Negative	N/A	MPG
11	1 <sup>st</sup> floor – front entry – under carpet – paper insulation	Negative	N/A	MPI
12	1 <sup>st</sup> floor – kitchen – on ceiling – joint compound patch	Negative	N/A	MJC
13	Basement – east room – beige linoleum	Negative	N/A	MFLe
14	Basement – on chimney – flue packing	Negative	N/A	TFP
15	Basement – south room – on east wall – plaster #2	Negative	N/A	SPI2
16	Basement – south room – on east wall – plaster #2	Negative	N/A	SPI2
17	Basement – south room – on east wall – plaster #2	Negative	N/A	SPI2
18	2 <sup>nd</sup> floor – north bedroom – on floor – blown in insulation	Negative	N/A	MBI
<b>19</b>	<b>1<sup>st</sup> floor – living room – on west wall duct – duct paper <i>Quantity includes basement boot</i></b>	<b>Positive 70% Chrysotile</b>	<b>25 Sq. Ft.</b>	<b>TDW</b>
20	2 <sup>nd</sup> floor – east crawl space – tan and black linoleum	Negative	N/A	MFLtk

**Notes:** N/A = Not Applicable  
Sq. Ft. = Square Feet

**Assumed Category I Non-Friable Asbestos Containing Material:**

<b>Floor Level</b>	<b>Location</b>	<b>Description</b>	<b>Approximate Quantity</b>
Roof	Dwelling	Asphalt Shingles & Flashing	400 Sq. Ft.
1 <sup>st</sup>	Bathroom/Pantry/Kitchen	Floor Tile & Mastic	230 Sq. Ft
2 <sup>nd</sup>	Kitchen/Stair/Hall/ Bathroom/Bedroom	Floor Tile & Mastic	550 Sq. Ft.

**Homogeneous Material Codes**

SPI	Plaster
SPI2	Plaster #2
MPG	Glazing Compound
MPI	Paper Insulation
MJC	Joint Compound Patch
MFLtk	Tan & Black Linoleum
MFLe	Beige Linoleum
MBI	Blown in Insulation
TFP	Flue Packing
TDW	Duct Paper

**Note#1:** Category I – Non-Friable Asbestos Containing Materials may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

**Note#2:** If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

**Note#3:** A copy of this report should be transmitted to the demolition contractor.

**Note#4:** Additional duct paper may be within walls and ceilings.

**V. EXCLUSIONS**

**1<sup>st</sup> floor covered with fire debris – floors partially accessible. Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.**

HMG is not and shall not represent the building owner as its agent or representative for the purpose of the US EPA/NESHAP and/or the WDNR/NR447 regulations, as owner/operator.

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

**VI. LIMITATIONS**

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions

extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

*This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.*

## VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

This guide lists materials and products commonly found in buildings with examples. It is not intended as a substitute for reading the rules and statutes and making your own independent determination of their applicability to your demolition project. These examples presented here do not represent an exhaustive listing of types of materials that may be required to be removed from the building prior to demolition.

## **ASBESTOS**

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health & Family Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

## **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>2</u>	<b>Refrigerators, Freezers</b> , Chillers – Kitchen, Basement
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>1</u>	Fire Extinguishers (both <b>portable</b> and installed HALON suppression systems) – Pantry
<u>N/A</u>	Water Coolers

## **LEAD**

Lead or Lead Based Paint (LBP) is common in many older buildings. When recycling construction and demolition debris, be aware that wood containing lead paint may not be chipped and spread for landscaping. State law also prohibits the sale or transfer of any fixture or other object containing LBP that might be placed upon any surface of a dwelling, which is ordinarily accessible to children.

## MERCURY

Products that may contain mercury:

### LIGHTING

<u>N/A</u>	Fluorescent Lights
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

### HVAC

Check thermostats and any control associated with air handling units for switches containing mercury.

### HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>N/A</u>	Old Thermostats
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

### BOILERS, FURNACES, HEATERS AND TANKS – 1 Furnace & 1 Water Heater in Basement

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>1</u>	Space Heaters – Basement

## **ELECTRICAL SYSTEMS – 1 Breaker Box & 1 Electrical Meter in Basement**

<u>N/A</u>	Load Meters and Supply Relays
<u>N/A</u>	Phase Splitters
<u>N/A</u>	Microwave Relays
<u>N/A</u>	Mercury Displacement Relays

### **PCBs**

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building where PCBs may be found:

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>N/A</u>	Light Ballasts
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

### **OTHER ENVIRONMENTAL ISSUES**

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>N/A</u>	Junk Auto Tires
<u>N/A</u>	Junk Vehicles

\* 1 Gas Meter on Exterior

\* 2 Small Compressed Air Tanks in 1<sup>st</sup> Floor South Bedroom

## VIII. LABORATORY RESULTS



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No.	231894	Client:	Harenda Management Group
Account Number:	B929		Jolene Harenda
Date Received:	02/13/2014		1237 West Bruce St.
Received By:	Joanna Mueller		Milwaukee, WI 53204
Date Analyzed:	02/17/2014	Project:	DNS
Analyzed By:	Gayle Ooten	Project Location:	Milwaukee, WI
Methodology:	EPA/600/R-93/116	Project Number:	14-200-061.1717A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
002	2	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
003	3	Layered	White Texture	Asbestos Not Present	NA	Gypsum CaCO3
003a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
004	4	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
005	5	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3 Paint
006	6	Layered	Tan Skim Coat	Asbestos Not Present	NA	Quartz CaCO3

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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 231894

Account Number: B929

Date Received: 02/13/2014

Received By: Joanna Mueller

Date Analyzed: 02/17/2014

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.1717A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
006a		Layered	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
007	7	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
008	8	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 3	NA	CaCO3
009	9	Homogeneous	White Caulk	Asbestos Not Present	NA	CaCO3
010	10	Homogeneous	Cream Window Glazing	Asbestos Not Present	NA	CaCO3
011	11	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 95	Binder
012	12	Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum CaCO3 Paint

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 231894	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/13/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/17/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.1717A

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012a		Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
013	13	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl
014	14	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
015	15	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
016	16	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
017	17	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Quartz CaCO3
018	18	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 99	Binder

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 231894

Account Number: B929

Date Received: 02/13/2014

Received By: Joanna Mueller

Date Analyzed: 02/17/2014

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

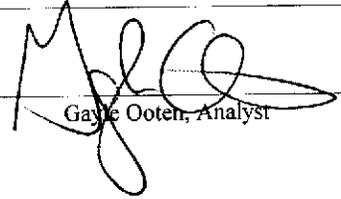
Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.1717A

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
-------------------	------------------	-------------	---------------------	--------------	------------------------	-------------



Gayle Ooten, Analyst

2/17/2014  
Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuantEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



# ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502  
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only  
 Lab No. 231874  
 Accept  Reject

Report Results  (one box)  
 QuanTEM Website  
 Other email

Contact Information		Project Information	
Company: <b>Harenda Management Group</b>	Phone: <b>(414) 383-4800</b>	Project Name: <b>DNS</b>	
Contact: <b>Dean Jacobsen</b>	Cell Phone:	Project Location: <b>Milwaukee, WI</b>	
Account #: <b>B929</b>	E-mail: <b>djacobsen@harenda.com</b>	Project ID: <b>14-200-061.1717A</b>	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY: <i>[Signature]</i>	DATE & TIME: <b>2/12/14 1800</b>	VIA: <b>FedEx</b>	RECEIVED BY: <i>[Signature]</i>	DATE & TIME: <b>2/13/14 10:00</b>
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**REQUESTED SERVICES (Please  the Appropriate Boxes)**

	PLM		PLM		TEM		TEM		TURNAROUND TIME							
	Bulk Analysis (EPA 600/R-93/116)	400 Point Count	Vermiculite Attic Insulation (EPA 600/R-04/004)	Other	Air- AHERA	Air- NIOSH 7402	Air- ISO 10312	Bulk- Presence / Absence EPA600/R-93/116	Bulk- Quantitative [weight%]- Chatfield	Dust- Presence / Absence	Dust- Quantitative [fibers/sq.cm]- ASTM D5755	Rush	Same Day	24 - Hour	3 - Day	5 - Day
<input checked="" type="checkbox"/>			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>																
<input type="checkbox"/>																
<input type="checkbox"/>																
<input type="checkbox"/>																

No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
1		<input checked="" type="checkbox"/>				
2		<input type="checkbox"/>				
3		<input type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input checked="" type="checkbox"/>				



# ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502  
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only  
 Lab No. 231894  
 Accept  Reject

Project Information				Project Name: DNS	Project Location: Milwaukee, WI	
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<input checked="" type="checkbox"/>				Do Not Test / Naistic
12	12	<input type="checkbox"/>				↓
13	13	<input type="checkbox"/>				
14	14	<input type="checkbox"/>				
15	15	<input type="checkbox"/>				
16	16	<input type="checkbox"/>				
17	17	<input type="checkbox"/>				
18	18	<input checked="" type="checkbox"/>				
19		<input type="checkbox"/>				
20		<input type="checkbox"/>				
21		<input type="checkbox"/>				
22		<input type="checkbox"/>				
23		<input type="checkbox"/>				
24		<input type="checkbox"/>				
25		<input type="checkbox"/>				
26		<input type="checkbox"/>				
27		<input type="checkbox"/>				
28		<input type="checkbox"/>				
29		<input type="checkbox"/>				
30		<input type="checkbox"/>				

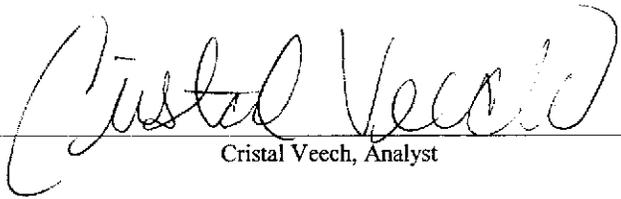


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 232209	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/21/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.1717A

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	19	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 10	Binder
002	20	Homogeneous	Green Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder

	2/21/2014
Cristal Veech, Analyst	Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuantEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



# ASBESTOS CHAIN OF CUSTODY

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 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

<b>Contact Information</b> Company: Harendra Management Group Contact: Dean Jacobsen Account #: B929 E-mail: djacobsen@harendra.com Phone: (414) 383-4800 Cell Phone: Date:		<b>Project Information</b> Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-061.1717A P.O. Number:	
--	--	--	--

<b>SAMPLED BY:</b> Name: <i>Dean Jacobsen</i>	<b>RELINQUISHED BY:</b> Name: <i>Dean Jacobsen</i>	<b>DATE &amp; TIME:</b> 2/20/14 1800	<b>VIA:</b> FedEx	<b>RECEIVED BY:</b> Name: <i>J. Miller</i>	<b>DATE &amp; TIME:</b> 2/21/14 10:00
--	---	---	----------------------	---	--

**REQUESTED SERVICES (Please check the appropriate boxes)**

PLM	PLM	TEM	TEM	TURNAROUND TIME
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input checked="" type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	<b>PCM</b>	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	19	<input checked="" type="checkbox"/>				
2	20	<input checked="" type="checkbox"/>				Do NOT Test Asbestos
3		<input type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

## **IX. HMG CERTIFICATION**



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T. Jacobsen  
W1316781 Kipling Dr  
Monkego WI 53150-3401

		160 lbs	5' 08"
ALL-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

is certified under ch. HFS 159, Wis. Adm. Code as a

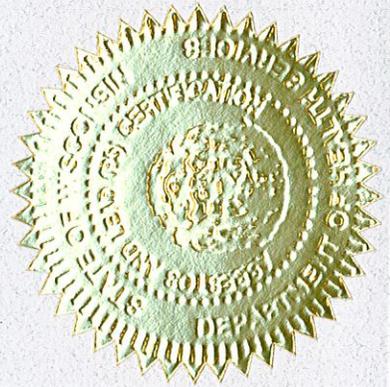
Asbestos Company - Primary

Certificate Issue Date: 09/11/2013  
Expiration Date: 08/31/2015, 12:01 a.m.  
Certification #: CAP-480540

Wisconsin Department of Health Services  
Division of Public Health  
Bureau of Environmental and Occupational Health  
Asbestos & Lead Section  
PO Box 2659  
Madison WI 53701-2659  
Phone: (608) 261-6876



*Shelley A Bruce*  
Shelley A Bruce,  
Unit Supervisor





**ASBESTOS SNIP INSPECTION REPORT**

**Job Site:**

**Two Family Dwelling  
2017 West Hopkins Street  
Milwaukee, Wisconsin**

For:

City of Milwaukee  
Department of Neighborhood Services  
Attn: Marge Piwaron  
841 North Broadway 1<sup>st</sup> Floor  
Milwaukee, Wisconsin 53202-3613

**HMG Report No.: 14-200-061.2017  
Contract No.: 360-14-0745**

Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

**HARENDA MANAGEMENT GROUP**  
1237 West Bruce Street  
Milwaukee, Wisconsin 53204

**February 2014**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2017 West Hopkins Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, linoleum, drywall, joint compound patch, paper insulation, flue packing, window glazing compound, and blown in insulation to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M*.

## II. BUILDING SURVEY

Marge Piwaron, of the City of Milwaukee Department of Neighborhood Services, authorized HMG to conduct a building survey and to analyze samples taken during the inspection.

**On February 17, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2017 West Hopkins Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AI – 14370.**

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document. If you have any questions please contact HMG at (414) 383-4800.

## III. THE LABORATORY

### A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

#### IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, linoleum, drywall, joint compound patch, paper insulation, flue packing, window glazing compound, and blown in insulation. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1a	1 <sup>st</sup> floor – living room – east wall – plaster skim coat	Negative	N/A	SPI
1b	1 <sup>st</sup> floor – living room – east wall – plaster base coat	Negative	N/A	SPI
2a	1 <sup>st</sup> floor – front entry – south wall – plaster skim coat	Negative	N/A	SPI
2b	1 <sup>st</sup> floor – front entry – south wall – plaster base coat	Negative	N/A	SPI
3a	1 <sup>st</sup> floor – north bedroom – west wall – patch layer	Negative	N/A	SPI
3b	1 <sup>st</sup> floor – north bedroom – west wall – plaster skim coat	Negative	N/A	SPI
3c	1 <sup>st</sup> floor – north bedroom – west wall – plaster base coat	Negative	N/A	SPI
4a	1 <sup>st</sup> floor – kitchen – south wall – plaster skim coat	Trace <1% Chrysotile	N/A	SPI
4a	POINT COUNT RESULT	Trace 0.25% Chrysotile	N/A	SPI
4b	1 <sup>st</sup> floor – kitchen – south wall – plaster base coat	Negative	N/A	SPI
5	2 <sup>nd</sup> floor – kitchen – south wall – plaster base coat	Negative	N/A	SPI
6a	2 <sup>nd</sup> floor – hall – north wall – plaster skim coat	Negative	N/A	SPI
6b	2 <sup>nd</sup> floor – hall – north wall – plaster base coat	Negative	N/A	SPI
7a	2 <sup>nd</sup> floor – north bedroom – west wall – patch layer	Negative	N/A	SPI
7b	2 <sup>nd</sup> floor – hall – north wall – patch layer	Negative	N/A	SPI
7c	2 <sup>nd</sup> floor – north bedroom – west wall – plaster skim coat	Negative	N/A	SPI
7d	2 <sup>nd</sup> floor – hall – north wall – plaster base coat	Negative	N/A	SPI
8	1 <sup>st</sup> floor – living room – south wall – texture	Negative	N/A	STX
9	2 <sup>nd</sup> floor – stair – on steps – tan and brown linoleum	Negative	N/A	MFLtn
10	2 <sup>nd</sup> floor – kitchen 2 <sup>nd</sup> layer – cream and tan linoleum	Negative	N/A	MFLct
11	2 <sup>nd</sup> floor – rear stair landing – brown linoleum	Negative	N/A	MFLn
12	1 <sup>st</sup> floor – kitchen – south wall – drywall	Negative	N/A	MDW
13a	2 <sup>nd</sup> floor – living room – south wall – joint compound	Negative	N/A	MDW

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
13b	2 <sup>nd</sup> floor – living room – south wall – drywall	Negative	N/A	MDW
14a	2 <sup>nd</sup> floor – living room – north wall – joint compound	Negative	N/A	MDW
14b	2 <sup>nd</sup> floor – living room – north wall – joint compound layer 2	Negative	N/A	MDW
14c	2 <sup>nd</sup> floor – living room – north wall – drywall	Negative	N/A	MDW
15	2 <sup>nd</sup> floor – north bedroom – west wall patch – joint compound patch	Negative	N/A	MJC
17	2 <sup>nd</sup> floor – kitchen floor – bottom layer - tar paper	Negative	N/A	MPT
18a	Basement – on chimney bottom layer – tan flue packing	Negative	N/A	TFPt
18b	Basement – on chimney top layer – gray flue packing	Negative	N/A	TFPy
19	1 <sup>st</sup> floor – bedroom – north window – glazing compound	Negative	N/A	MPG
20	1 <sup>st</sup> floor – bedroom – west window – glazing compound	Trace <1% Chrysotile	N/A	MPG
20	POINT COUNT RESULT	Trace 0.75% Chrysotile	N/A	MPG
21	Basement – south window – glazing compound	Trace <1% Chrysotile	N/A	MPG
<b>21</b>	<b>POINT COUNT RESULT</b>	<b>Positive 1.75% Chrysotile</b>	<b>32 Windows</b>	<b>MPG</b>
22	Attic – in wall – blown in insulation	Negative	N/A	MBI
23a	1 <sup>st</sup> floor – kitchen – north side under plywood – gray and tan linoleum	Negative	N/A	MFLyt
23b	1 <sup>st</sup> floor – kitchen – north side under gray and tan linoleum – tar paper	Negative	N/A	MPT2
23c	1 <sup>st</sup> floor – kitchen – north side under tar paper – brown and beige linoleum	Negative	N/A	MFLne
23d	1 <sup>st</sup> floor – kitchen – north side under brown and beige linoleum – tan linoleum	Negative	N/A	MFLt
24a	1 <sup>st</sup> floor – kitchen – south side under plywood – gray and tan linoleum	Negative	N/A	MFLyt
24b	1 <sup>st</sup> floor – kitchen – south side under gray and tan linoleum – tar paper	Negative	N/A	MPT2
25a	1 <sup>st</sup> floor – kitchen – east side under plywood – gray and tan linoleum	Negative	N/A	MFLyt
25b	1 <sup>st</sup> floor – kitchen – east side under gray and tan linoleum – tar paper	Negative	N/A	MPT2
25c	1 <sup>st</sup> floor – kitchen – east side under tar paper – brown and beige linoleum	Negative	N/A	MFLne
25d	1 <sup>st</sup> floor – kitchen – east side under brown and beige linoleum – tan linoleum	Negative	N/A	MFLt
26	2 <sup>nd</sup> floor – kitchen – top layer – red and black linoleum	Negative	N/A	MFLrk
27	2 <sup>nd</sup> floor – pantry – cream linoleum	Negative	N/A	MFLc
28	2 <sup>nd</sup> floor – bathroom – top layer – white linoleum	Negative	N/A	MFLw
29	2 <sup>nd</sup> floor – bathroom – 2 <sup>nd</sup> layer – beige and gray linoleum	Negative	N/A	MFLey

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
30	2 <sup>nd</sup> floor – bathroom closet – yellow linoleum	Negative	N/A	MFLI

**Notes:** N/A = Not Applicable  
Sq. Ft. = Square Feet

**Assumed Category I Non-Friable Asbestos Containing Material:**

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	900 Sq. Ft.
1 <sup>st</sup>	Bathroom/Kitchen	Floor Tile & Mastic	210 Sq. Ft.
2 <sup>nd</sup>	Kitchen/Stair/Pantry/Bathroom	Floor Tile & Mastic	860 Sq. Ft.

**Homogeneous Material Codes**

SPI	Plaster
STX	Texture
MFLtn	Tan & Brown Linoleum
MFLct	Cream & Tan Linoleum
MFLn	Brown Linoleum
MFLyt	Gray & Tan Linoleum
MFLne	Brown & Beige Linoleum
MFLt	Tan Linoleum
MFLrk	Red & Black Linoleum
MFLc	Cream Linoleum
MFLw	White Linoleum
MFLey	Beige & Gray Linoleum
MFLI	Yellow Linoleum
MDW	Drywall/Joint Compound
MJC	Joint Compound Patch
MBI	Blown in Insulation
MPT	Tar Paper
MPT2	Tar Paper #2
MPG	Glazing Compound
MBI	Blown in Insulation
TFP	Flue Packing

**Note#1:** Category I – Non-Friable Asbestos Containing Materials may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

**Note#2:** If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

**Note#3:** A copy of this report should be transmitted to the demolition contractor.

## V. EXCLUSIONS

**Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.**

HMG is not and shall not represent the building owner as its agent or representative for the purpose of the US EPA/NESHAP and/or the WDNR/NR447 regulations, as owner/operator.

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

## VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

*This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.*

## VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

This guide lists materials and products commonly found in buildings with examples. It is not intended as a substitute for reading the rules and statutes and making your own independent determination of their applicability to your demolition project. These examples presented here do not represent an exhaustive listing of types of materials that may be required to be removed from the building prior to demolition.

### **ASBESTOS**

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health & Family Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

### **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

### **LEAD**

Lead or Lead Based Paint (LBP) is common in many older buildings. When recycling construction and demolition debris, be aware that wood containing lead paint may not be chipped and spread for landscaping. State law also prohibits the sale or transfer of any fixture or other object containing LBP that might be placed upon any surface of a dwelling, which is ordinarily accessible to children.

## MERCURY

Products that may contain mercury:

### LIGHTING

<u>N/A</u>	Fluorescent Lights
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

### HVAC

Check thermostats and any control associated with air handling units for switches containing mercury.

### HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>1</u>	Old Thermostats – 1 <sup>st</sup> Floor Living Room
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

### BOILERS, FURNACES, HEATERS AND TANKS – 1 Furnace in Basement

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>N/A</u>	Space Heaters

## **ELECTRICAL SYSTEMS – 2 Breaker Boxes in Basement**

<u>N/A</u>	Load Meters and Supply Relays
<u>N/A</u>	Phase Splitters
<u>N/A</u>	Microwave Relays
<u>N/A</u>	Mercury Displacement Relays

### **PCBs**

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building where PCBs may be found:

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>N/A</u>	Light Ballasts
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

### **OTHER ENVIRONMENTAL ISSUES**

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>N/A</u>	Junk Auto Tires
<u>N/A</u>	Junk Vehicles

\* 2 Gas Meters on Exterior

\* 2 Gallons Paint in 2<sup>nd</sup> Floor Living Room

## VIII. LABORATORY RESULTS



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232076	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2017

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
001a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	3 Gypsum
002	2	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
002a		Layered	Gray Plaster	Asbestos Not Present	Cellulose	3 Gypsum
003	3	Layered	White Texture	Asbestos Not Present	NA	Gypsum Perlite
003a		Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
003b		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 232076	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2017

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
004	4	Layered	White Skim Coat	Asbestos Present Chrysotile <1	NA	Sand CaCO3
004a		Layered	White Plaster	Asbestos Not Present	NA	Gypsum Perlite
005	5	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
006	6	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
006a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
007	7	Layered	White Texture	Asbestos Not Present	NA	Gypsum Perlite
007a		Layered	White Joint Compound	Asbestos Not Present	NA	Gypsum

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### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 232076	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2017

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
007b		Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
007c		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
008	8	Homogeneous	Tan Skim Coat	Asbestos Not Present	NA	Sand CaCO3
009	9	Homogeneous	White Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
010	10	Homogeneous	Gray Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
011	11	Homogeneous	Brown Flooring	Asbestos Not Present	NA	Vinyl CaCO3
012	12	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum

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### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 232076	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2017

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
013	13	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Perlite
013a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	5 Gypsum
014	14	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Perlite
014a		Layered	White Joint Compound	Asbestos Not Present	NA	CaCO3 Perlite
014b		Layered	White Sheetrock	Asbestos Not Present	Cellulose	5 Gypsum
015	15	Homogeneous	White Texture	Asbestos Not Present	NA	CaCO3 Perlite Paint
016	17	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose	60 Tar

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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232076	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2017

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	18	Layered	Tan Stucco	Asbestos Not Present	NA	Sand CaCO3
017a		Layered	Gray Stucco	Asbestos Not Present	Cellulose <1 Glass Fiber <1	Sand CaCO3
018	19	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
019	20	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile <1	NA	CaCO3
020	21	Homogeneous	White Window Glazing	Asbestos Present Chrysotile <1	NA	CaCO3
021	22	Homogeneous	White/Gray Insulation	Asbestos Not Present	Cellulose 20 Glass Fiber 80	

Cristal Veech, Analyst

2/21/2014

Date of Report

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**LEGAL DOCUMENT - PLEASE PRINT LEGIBLY**

For Lab Use Only	
Lab No. <u>232576</u>	Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information			Project Name: DNS	Project Location: Milwaukee, WI	
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
11	11	<input checked="" type="checkbox"/>			Do Not Test Asstic
12	12	<input type="checkbox"/>			
13	13	<input type="checkbox"/>			
14	14	<input type="checkbox"/>			
15	15	<input type="checkbox"/>			
16	17	<input type="checkbox"/>			
17	18	<input type="checkbox"/>			
18	19	<input type="checkbox"/>			
19	20	<input type="checkbox"/>			
20	21	<input type="checkbox"/>			
21	22	<input checked="" type="checkbox"/>			
22		<input type="checkbox"/>			
23		<input type="checkbox"/>			
24		<input type="checkbox"/>			
25		<input type="checkbox"/>			
26		<input type="checkbox"/>			
27		<input type="checkbox"/>			
28		<input type="checkbox"/>			
29		<input type="checkbox"/>			
30		<input type="checkbox"/>			



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### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 232155	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/20/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2017

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	23	Layered	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 10 Synthetic 10	Vinyl
001a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
001b		Layered	Brown Flooring	Asbestos Not Present	Cellulose 100	
001c		Layered	Tan Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
002	24	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 10 Synthetic 10	Vinyl
002a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
003	25	Layered	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 10 Synthetic 10	Vinyl

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### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 232155	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/20/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Gayle Ooten	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2017

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
003a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
003b		Layered	Brown Flooring	Asbestos Not Present	Cellulose 100	
003c		Layered	Tan Linoleum	Asbestos Not Present	Cellulose 25	CaCO3 Tar
004	26	Homogeneous	Brown Flooring	Asbestos Not Present	NA	Vinyl
005	27	Homogeneous	Cream Flooring	Asbestos Not Present	NA	Vinyl
006	28	Homogeneous	Cream Sheet Vinyl	Asbestos Not Present	Cellulose 15	Vinyl
007	29	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 20	Vinyl

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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232155

Account Number: B929

Date Received: 02/20/2014

Received By: Joanna Mueller

Date Analyzed: 02/21/2014

Analyzed By: Gayle Ooten

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.2017

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	30	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar Vinyl

Gayle Ooten, Analyst

2/21/2014

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Lab No. <u>232155</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>
Report Results ( <input checked="" type="checkbox"/> one box)
<input checked="" type="checkbox"/> QuanTEM Website
<input type="checkbox"/> Other_email

Contact Information		Project Information	
Company: <b>Harenda Management Group</b>	Phone: <b>(414) 383-4800</b>	Project Name: <b>DNS</b>	
Contact: <b>Dean Jacobsen</b>	Cell Phone:	Project Location: <b>Milwaukee, WI</b>	
Account #: <b>B929</b>	E-mail: <b>djacobsen@harenda.com</b>	Project ID: <b>14-200-061.2017</b>	
SAMPLED BY: <i>[Signature]</i> Name:	Date:	P.O. Number:	

RELINQUISHED BY <i>[Signature]</i>	DATE & TIME <u>2/19/14 1800</u>	VIA <u>FedEx</u>	RECEIVED BY <i>[Signature]</i>	DATE & TIME <u>2/20/14 10:00</u>
------------------------------------	---------------------------------	------------------	--------------------------------	----------------------------------

### REQUESTED SERVICES (Please the Appropriate Boxes)

PLM	PLM		TEM		TEM		TURNAROUND TIME
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air-AHERA	<input type="checkbox"/>				
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air-NIOSH 7402	<input type="checkbox"/>				
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air-ISO 10312	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PCM	<input type="checkbox"/> Drinking Water-EPA 100.2	<input type="checkbox"/>				
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/>				

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	23	<input checked="" type="checkbox"/>			
2	24	<input type="checkbox"/>			
3	25	<input type="checkbox"/>			
4	26	<input type="checkbox"/>			
5	27	<input type="checkbox"/>			
6	28	<input type="checkbox"/>			
7	29	<input type="checkbox"/>			
8	30	<input checked="" type="checkbox"/>			Do Not Test Asbestos
9		<input type="checkbox"/>			
10		<input type="checkbox"/>			



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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232293  
Account Number: B929  
Date Received: 02/24/2014  
Received By: Sherrie Leftwich  
Date Analyzed: 02/24/2014  
Analyzed By: Cristal Veech  
Methodology: EPA/600/R-93/116

Client: Harenda Management Group  
Jolene Harenda  
1237 West Bruce St.  
Milwaukee, WI 53204

Project: PTCT for 232076, DNS  
Project Location: Milwaukee, WI  
Project Number: 14-200-061.2017

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	20	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 0.75 400 Point Count	NA	
002	21	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 1.75 400 Point Count	NA	

Cristal Veech, Analyst

2/24/2014

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Page 1 of 1  
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 Lab No. 232393

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Report Results (  one box )  
 QuantEM Website  
 Other email \_\_\_\_\_

**Contact Information**  
 Company: Harendra Management Group Project Name: DNS  
 Contact: Dean Jacobsen Project Location: Milwaukee, WI  
 Account #: B929 Project ID: 14-200-061.2017  
 Phone: (414) 383-4800 P.O. Number: \_\_\_\_\_  
 Cell Phone: \_\_\_\_\_  
 E-mail: djacobsen@harendra.com

**RELINQUISHED BY** Dean Jacobsen **DATE & TIME** 2/24/14 12:15 **VIA** Email **RECEIVED BY** S. Hoffarth **DATE & TIME** 2/24/14 12:10

**REQUESTED SERVICES (Please check the Appropriate Boxes)**

PLM	PLM	TEM	TEM	TURNAROUND TIME
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air-AHERA	<input type="checkbox"/> Bulk-Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air-NIOSH 7402	<input type="checkbox"/> Bulk-Quantitative [weight%]-Charfield	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> PCM	<input type="checkbox"/> Air-ISO 10312	<input type="checkbox"/> Dust-Presence / Absence	<input checked="" type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust-Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID		<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	20	<input checked="" type="checkbox"/>				
2	21	<input checked="" type="checkbox"/>				
3		<input type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				



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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232359

Account Number: B929

Date Received: 02/25/2014

Received By: Sherrie Leftwich

Date Analyzed: 02/26/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: PT CT for 232076, DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.2017

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	4	Homogeneous	White Skim Coat	Asbestos Present Chrysotile 0.25 400 Point Count	NA	

Cristal Veech, Analyst

2/26/2014

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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<b>Contact Information</b> Company: <b>Harendra Management Group</b> Contact: <b>Dean Jacobsen</b> Account #: <b>B929</b> Phone: <b>(414) 383-4800</b> Cell Phone: E-mail: <b>djacobsen@harendra.com</b> Date: P.O. Number:		<b>Project Information</b> Project Name: <b>DNS</b> Project Location: <b>Milwaukee, WI</b> Project ID: <b>14-200-061.2017</b> Other_email:	
---	--	--	--

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 Lab No. **2320359**  
 Accept  Reject

Report Results (  one box )  
 QuantEM Website  
 Other\_email

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	2/25/14 14:15	Encl	<i>[Signature]</i>	2/25/14 2:10

### REQUESTED SERVICES (Please the Appropriate Boxes)

PLM	PLM	TEM	TEM	TURNAROUND TIME
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk: Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush
<input checked="" type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk: Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust: Presence / Absence	<input checked="" type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust: Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Description	Volume / Area (as applicable)	Comments / Notes
1	4	<input checked="" type="checkbox"/>	white skim coat		Quantem Lab # 232076
2		<input type="checkbox"/>			
3		<input type="checkbox"/>			
4		<input type="checkbox"/>			
5		<input type="checkbox"/>			
6		<input type="checkbox"/>			
7		<input type="checkbox"/>			
8		<input type="checkbox"/>			
9		<input type="checkbox"/>			
10		<input type="checkbox"/>			

## **IX. HMG CERTIFICATION**



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T. Jacobsen  
W1316781 Kipling Dr  
Monkego WI 53150-3401

		160 lbs	5' 08"
ALL-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

is certified under ch. HFS 159, Wis. Adm. Code as a

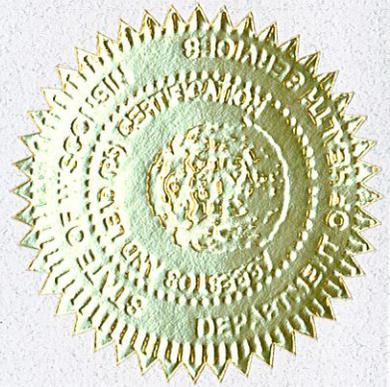
Asbestos Company - Primary

Certificate Issue Date: 09/11/2013  
Expiration Date: 08/31/2015, 12:01 a.m.  
Certification #: CAP-480540

Wisconsin Department of Health Services  
Division of Public Health  
Bureau of Environmental and Occupational Health  
Asbestos & Lead Section  
PO Box 2659  
Madison WI 53701-2659  
Phone: (608) 261-6876



*Shelley A Bruce*  
Shelley A Bruce,  
Unit Supervisor





**ASBESTOS SNIP INSPECTION REPORT**

**Job Site:**

**One Family Dwelling  
4437 North Hopkins Street  
Milwaukee, Wisconsin**

For:

City of Milwaukee  
Department of Neighborhood Services  
Attn: Marge Piwaron  
841 North Broadway 1<sup>st</sup> Floor  
Milwaukee, Wisconsin 53202-3613

**HMG Report No.: 14-200-061.4437  
Contract No.: 360-14-0745**

Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

**HARENDA MANAGEMENT GROUP**  
1237 West Bruce Street  
Milwaukee, Wisconsin 53204

**February 2014**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 4437 North Hopkins Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, tar paper, flue packing, window glazing compound, duct paper, linoleum, drywall/joint compound, ceramic tile, and ceiling tile to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M*.

## II. BUILDING SURVEY

Marge Piwaron, of the City of Milwaukee Department of Neighborhood Services, authorized HMG to conduct a building survey and to analyze samples taken during the inspection.

**On February 13, 2014 HMG conducted an asbestos inspection of a one family dwelling and garage, scheduled for mechanical demolition, located at 4437 North Hopkins Street, Milwaukee, Wisconsin. The inspection was conducted by Demicca Coe, Wisconsin License No. AII – 156385.**

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document. If you have any questions please contact HMG at (414) 383-4800.

## III. THE LABORATORY

### A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

#### IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, tar paper, flue packing, window glazing compound, duct paper, linoleum, drywall/joint compound, ceramic tile, and ceiling tile. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-4437	Exterior – south wall under wood – tar paper	Negative	N/A	MPT
2-4437	Exterior – west wall under wood – tar paper	Negative	N/A	MPT
4-4437	Basement – on south side of chimney – flue packing	Trace <1% Chrysotile	N/A	TFP
4-4437	POINT COUNT RESULT	Trace <0.25% Chrysotile	N/A	TFP
5-4437	Basement – on east side of chimney – flue packing #2	Negative	N/A	TFP2
6-4437	Basement – south window – glazing compound	Negative	N/A	MPG
7-4437	1 <sup>st</sup> floor – porch – east window – glazing compound	Trace <1% Chrysotile	N/A	MPG
7-4437	POINT COUNT RESULT	Trace 0.25% Chrysotile	N/A	MPG
8-4437	Attic – west window – glazing compound	Trace <1% Chrysotile	N/A	MPG
8-4437	POINT COUNT RESULT	Trace 0.75% Chrysotile	N/A	MPG
<b>9-4437</b>	<b>Basement – on north side duct – duct paper</b>	<b>Positive 70% Chrysotile</b>	<b>2 Sq. Ft.</b>	<b>TDW</b>
10-4437a	Basement – stair – ceiling – patch layer	Negative	N/A	SPI
10-4437b	Basement – stair – ceiling – plaster skim coat	Negative	N/A	SPI
10-4437c	Basement – stair – ceiling – plaster base coat	Negative	N/A	SPI
11-4437a	1 <sup>st</sup> floor – stair – west wall – plaster skim coat	Negative	N/A	SPI
11-4437b	1 <sup>st</sup> floor – stair – west wall – plaster base coat	Negative	N/A	SPI
12-4437a	1 <sup>st</sup> floor – dining room – south wall – plaster skim coat	Negative	N/A	SPI
12-4437b	1 <sup>st</sup> floor – dining room – south wall – plaster base coat	Negative	N/A	SPI
14-4437a	Attic – stair – south wall – plaster skim coat	Negative	N/A	SPI
14-4437b	Attic – stair – south wall – plaster base coat	Negative	N/A	SPI
15-4437	1 <sup>st</sup> floor – back entry – under plywood – gold linoleum	Negative	N/A	MFLd
16-4437	1 <sup>st</sup> floor – kitchen – north side under plywood – gold linoleum	Negative	N/A	MFLd
17-4437	1 <sup>st</sup> floor – kitchen – west side under plywood – gold linoleum	Negative	N/A	MFLd
18-4437	Attic – east wall – drywall	Negative	N/A	MDW

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
19-4437a	1 <sup>st</sup> floor – front entry – east wall – joint compound	Negative	N/A	MDW
19-4437b	1 <sup>st</sup> floor – front entry – east wall – drywall	Negative	N/A	MDW
20-4437	1 <sup>st</sup> floor – living room – ceiling – drywall	Negative	N/A	MDW
21-4437a	1 <sup>st</sup> floor – bathroom – on wall – pink ceramic tile	Negative	N/A	MCTMp
21-4437b	1 <sup>st</sup> floor – bathroom – on wall – grout	Negative	N/A	MCTMp
21-4437	1 <sup>st</sup> floor – bathroom – on wall – mortar	Negative	N/A	MCTMp
22-4437	1 <sup>st</sup> floor – bathroom floor – gray ceramic tile	Negative	N/A	MCTMy
<b>23-4437</b>	<b>1<sup>st</sup> floor – bathroom floor – under ceramic tile – leveling compound</b>	<b>Positive 5% Chrysotile</b>	<b>35 Sq. Ft.</b>	<b>MLC</b>
<b>24-4437</b>	<b>1<sup>st</sup> floor – bathroom floor – under leveling compound – red linoleum</b>	<b>Positive 5% Chrysotile</b>	<b>35 Sq. Ft.</b>	<b>MFLr</b>
25-4437	1 <sup>st</sup> floor – living room – west wall – texture	Negative	N/A	STX
26-4437	1 <sup>st</sup> floor – porch – south wall – texture	Negative	N/A	STX
27-4437	1 <sup>st</sup> floor – dining room – north wall – texture	Negative	N/A	STX
28-4437	1 <sup>st</sup> floor – northwest bedroom – 1' x 1' ceiling tile	Negative	N/A	MSCT11
29-4437	1 <sup>st</sup> floor – northwest bedroom – 1' x 1' ceiling tile	Negative	N/A	MSCT11
30-4437	1 <sup>st</sup> floor – northeast bedroom – 1' x 1' ceiling tile	Negative	N/A	MSCT11

**Notes:** N/A = Not Applicable  
Sq. Ft. = Square Feet

### Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	600 Sq. Ft.
Roof	Garage	Asphalt Shingles & Flashing	400 Sq. Ft.
1 <sup>st</sup>	Entry/Dining Room/Bedroom/ Bathroom/Kitchen	Floor Tile & Mastic	450 Sq. Ft.

#### Homogeneous Material Codes

SPI	Plaster
STX	Texture
MPT	Tar Paper
MPG	Glazing Compound
MFLd	Gold Linoleum
MFLr	Red Linoleum
MCTMp	Pink Ceramic Tile
MCTMy	Gray Ceramic Tile
MLC	Leveling Compound
MDW	Drywall/Joint Compound
MSCT11	1' x 1' Ceiling Tile
TFP	Flue Packing
TFP2	Flue Packing #2
TDW	Duct Paper

**Note#1:** Category I – Non-Friable Asbestos Containing Materials may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

**Note#2:** If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

**Note#3:** A copy of this report should be transmitted to the demolition contractor.

**Note#4:** Additional duct paper may be within walls and ceilings.

## V. EXCLUSIONS

**Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.**

HMG is not and shall not represent the building owner as its agent or representative for the purpose of the US EPA/NESHAP and/or the WDNR/NR447 regulations, as owner/operator.

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

## VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

*This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.*

## VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

This guide lists materials and products commonly found in buildings with examples. It is not intended as a substitute for reading the rules and statutes and making your own independent determination of their applicability to your demolition project. These examples presented here do not represent an exhaustive listing of types of materials that may be required to be removed from the building prior to demolition.

### **ASBESTOS**

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health & Family Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

### **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

### **LEAD**

Lead or Lead Based Paint (LBP) is common in many older buildings. When recycling construction and demolition debris, be aware that wood containing lead paint may not be chipped and spread for landscaping. State law also prohibits the sale or transfer of any fixture or other object containing LBP that might be placed upon any surface of a dwelling, which is ordinarily accessible to children.

## MERCURY

Products that may contain mercury:

### LIGHTING

<u>N/A</u>	Fluorescent Lights
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

### HVAC

Check thermostats and any control associated with air handling units for switches containing mercury.

### HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>N/A</u>	Old Thermostats
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

### BOILERS, FURNACES, HEATERS AND TANKS – 1 Furnace in Basement

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>N/A</u>	Space Heaters

## **ELECTRICAL SYSTEMS – 1 Breaker Box in Basement**

<u>N/A</u>	Load Meters and Supply Relays
<u>N/A</u>	Phase Splitters
<u>N/A</u>	Microwave Relays
<u>N/A</u>	Mercury Displacement Relays

### **PCBs**

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building where PCBs may be found:

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>N/A</u>	Light Ballasts
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

### **OTHER ENVIRONMENTAL ISSUES**

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>N/A</u>	Junk Auto Tires
<u>N/A</u>	Junk Vehicles

## VIII. LABORATORY RESULTS



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232025	Client: Harendra Management Group
Account Number: B929	Jolene Harendra
Date Received: 02/17/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/19/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.4437

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-4437	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
002	2-4437	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
003	3-4437	**	** **	**	Not Analyzed	
No Sample in Container						
004	4-4437	Homogeneous	Gray Plaster	Asbestos Present Chrysotile <1	NA	Sand CaCO3 Gypsum
005	5-4437	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3 Paint
006	6-4437	Homogeneous	Tan Window Glazing	Asbestos Not Present	NA	CaCO3
007	7-4437	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile <1	NA	CaCO3 Talc

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 232025	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/17/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/19/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.4437

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8-4437	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile <1	NA	CaCO3
009	9-4437	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose	5 Binder
010	10-4437	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
010a		Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
010b		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
011	11-4437	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
011a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum

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Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.4437

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12-4437	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
012a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
013	13-4437	**	** **	**	Not Analyzed	
No Sample in Container						
014	14-4437	Layered	White Skim Coat	Asbestos Not Present	NA	Sand Gypsum
014a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand Gypsum
015	15-4437	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
016	16-4437	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder

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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232025

Account Number: B929

Date Received: 02/17/2014

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Date Analyzed: 02/19/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.4437

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	17-4437	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
018	18-4437	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
019	19-4437	Layered	White Texture	Asbestos Not Present	Talc 4	CaCO3 Talc Paint
019a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
020	20-4437	Layered	White Texture	Asbestos Not Present	Talc 4	CaCO3 Talc Paint
021	21-4437	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.4437

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021a		Layered	White Grout	Asbestos Not Present	NA	Sand CaCO3
021b		Layered	Tan Texture	Asbestos Not Present	NA	Gypsum
022	22-4437	Homogeneous	White Ceramic Tile	Asbestos Not Present	NA	Clay
023	23-4437	Homogeneous	Tan Insulation	Asbestos Present Chrysotile 5	Cellulose 20	Gypsum
024	24-4437	Homogeneous	Red Insulation	Asbestos Present Chrysotile 5	Cellulose 20	Gypsum
025	25-4437	Homogeneous	White Texture	Asbestos Not Present	Cellulose 2	CaCO3 Paint
026	26-4437	Homogeneous	White Texture	Asbestos Not Present	Cellulose 2	CaCO3 Paint

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### Polarized Light Microscopy Asbestos Analysis Report

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Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.4437

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
027	27-4437	Homogeneous	White Texture	Asbestos Not Present	Cellulose 2	CaCO3 Paint
028	28-4437	Homogeneous	Tan Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
029	29-4437	Homogeneous	Tan Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint
030	30-4437	Homogeneous	Tan Ceiling Tile	Asbestos Not Present	Cellulose 90	Paint

Cristal Veech, Analyst

2/19/2014  
Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



# ASBESTOS CHAIN OF CUSTODY

2033 Heritage Park Drive, Oklahoma City, OK 73120-7502  
 (800) 822-1650 • (405) 755-7272 • Fax: (405) 755-2058

LABORATORIES  
 www.QuanTEM.com

## LEGAL DOCUMENT - PLEASE PRINT LEGIBLY

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 Lab No. 232025  
 Accept  Reject

Report Results  one box  
 QuanTEM Website  
 Other\_email \_\_\_\_\_

Project Information	
Project Name: <b>DNS</b>	
Project Location: <b>Milwaukee, WI</b>	
Project ID: <b>14-200-061.4437</b>	
P.O. Number:	

RELINQUISHED BY <i>[Signature]</i>	DATE & TIME <b>2/14/12</b>	VIA <b>FedEx</b>	RECEIVED BY <i>[Signature]</i>	DATE & TIME <b>2/17/14 10:00</b>
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### REQUESTED SERVICES (Please check the Appropriate Boxes)

PLM	PLM	PLM	TEM	TEM	TEM	TURNAROUND TIME
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Bulk- Quantitative (weight%) - Chatfield	<input type="checkbox"/> Rush	
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative (weight%) - Chatfield	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> Same Day	
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> Dust- Quantitative (fibers/sq.cm)- ASTM D5755	<input type="checkbox"/> 24 - Hour	
<input type="checkbox"/> Gravimetric Preparation	<b>PCM</b>	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative (fibers/sq.cm)- ASTM D5755	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> 3 - Day	
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043			<input type="checkbox"/> 5 - Day	

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	1-4437	<input checked="" type="checkbox"/>			
2	2-4437	<input type="checkbox"/>			
3	3-4437	<input type="checkbox"/>			
4	4-4437	<input type="checkbox"/>			
5	5-4437	<input type="checkbox"/>			
6	6-4437	<input type="checkbox"/>			
7	7-4437	<input type="checkbox"/>			
8	8-4437	<input type="checkbox"/>			
9	9-4437	<input type="checkbox"/>			
10	10-4437	<input checked="" type="checkbox"/>			



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Lab No. <u>232020</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI
Company: Harenda Management Group		Color	
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Description
			Volume / Area (as applicable)
			Comments / Notes
11	11-4437	<input checked="" type="checkbox"/>	
12	12-4437	<input type="checkbox"/>	
13	13-4437	<input type="checkbox"/>	
14	14-4437	<input type="checkbox"/>	
15	15-4437	<input type="checkbox"/>	
16	16-4437	<input type="checkbox"/>	
17	17-4437	<input type="checkbox"/>	
18	18-4437	<input type="checkbox"/>	
19	19-4437	<input type="checkbox"/>	
20	20-4437	<input type="checkbox"/>	
21	21-4437	<input type="checkbox"/>	Do Not Test Mestec
22	22-4437	<input type="checkbox"/>	
23	23-4437	<input type="checkbox"/>	
24	24-4437	<input type="checkbox"/>	
25	25-4437	<input type="checkbox"/>	
26	26-4437	<input type="checkbox"/>	
27	27-4437	<input type="checkbox"/>	
28	28-4437	<input type="checkbox"/>	
29	29-4437	<input type="checkbox"/>	
30	30-4437	<input checked="" type="checkbox"/>	

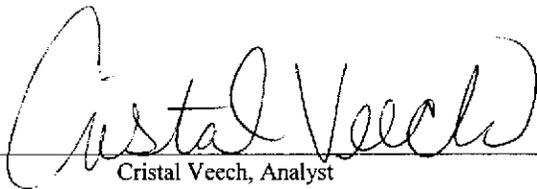


2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 232213	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/21/2014	1237 West Bruce St.
Received By: Sherrie Leftwich	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: PT CT for 232025, DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.4437

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	4-4437	Homogeneous	Gray Plaster	Asbestos Present Chrysotile <0.25 400 Point Count	NA	
002	7-4437	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 0.25 400 Point Count	NA	
003	8-4437	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 0.75 400 Point Count	NA	

  
Cristal Veech, Analyst

2/21/2014  
Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuantEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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Lab No. 232213  
 Accept  Reject

<b>Contact Information</b> Company: <b>Harenda Management Group</b> Contact: <b>Dean Jacobsen</b> Account #: <b>B929</b> Phone: <b>(414) 383-4800</b> Cell Phone: E-mail: <b>djacobsen@harenda.com</b> Date:		<b>Project Information</b> Project Name: <b>DNS</b> Project Location: <b>Milwaukee, WI</b> Project ID: <b>14-200-061.4437</b> P.O. Number:	
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Report Results  one box  
 QuanTEM Website  
 Other email \_\_\_\_\_

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>[Signature]</i>	<u>2/21/14 11:15</u>	<u>Email</u>	<u>S. Rytwick</u>	<u>2/21/14 11:07</u>

**REQUESTED SERVICES (Please check the Appropriate Boxes)**

PLM	PLM	PLM	TEM	TEM	TEM	TURNAROUND TIME
<input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Bulk- Presence / Absence	<input type="checkbox"/> Bulk- Presence / Absence	<input type="checkbox"/> Rush
<input checked="" type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chartfield	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> PCM	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043				<input type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID						<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	4-4437	<input checked="" type="checkbox"/>				Quantem lab # 232025
2	7-4437	<input checked="" type="checkbox"/>				
3	8-4437	<input checked="" type="checkbox"/>				
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

## **IX. HMG CERTIFICATION**

ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services



Demicca Andrea Marie Coe

1237 W Bruce St

Milwaukee WI 53204-1218

		150 lbs	5' 01"
AII-156385	Exp: 09/26/2014	09/08/1971	Female

Training due by: 09/26/2014

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

is certified under ch. HFS 159, Wis. Adm. Code as a

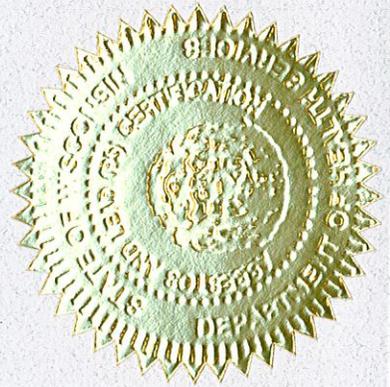
Asbestos Company - Primary

Certificate Issue Date: 09/11/2013  
Expiration Date: 08/31/2015, 12:01 a.m.  
Certification #: CAP-480540

Wisconsin Department of Health Services  
Division of Public Health  
Bureau of Environmental and Occupational Health  
Asbestos & Lead Section  
PO Box 2659  
Madison WI 53701-2659  
Phone: (608) 261-6876



*Shelley A Bruce*  
Shelley A Bruce,  
Unit Supervisor





**ASBESTOS SNIP INSPECTION REPORT**

**Job Site:**

**Two Family Dwelling  
2614-16 North Palmer Street  
Milwaukee, Wisconsin**

**For:**

City of Milwaukee  
Department of Neighborhood Services  
Attn: Marge Piwaron  
841 North Broadway 1<sup>st</sup> Floor  
Milwaukee, Wisconsin 53202-3613

**HMG Report No.: 14-200-061.2614  
Contract No.: 360-14-0745**

Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

**HARENDA MANAGEMENT GROUP**  
1237 West Bruce Street  
Milwaukee, Wisconsin 53204

**February 2014**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2614-16 North Palmer Street, Milwaukee, Wisconsin.

The inspection included plaster, texture, linoleum, paper insulation, blown in insulation, flue packing, window glazing compound, duct paper, fiberboard, and drywall/joint compound to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M*.

## II. BUILDING SURVEY

Marge Piwaron, of the City of Milwaukee Department of Neighborhood Services, authorized HMG to conduct a building survey and to analyze samples taken during the inspection.

**On February 17, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2614-16 North Palmer Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document. If you have any questions please contact HMG at (414) 383-4800.

## III. THE LABORATORY

### A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk

sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

#### IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include plaster, texture, linoleum, paper insulation, blown in insulation, flue packing, window glazing compound, duct paper, fiberboard, and drywall/joint compound. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2614	1 <sup>st</sup> floor – bathroom – top layer – gray and tan linoleum	Negative	N/A	MFLyt
2-2614	1 <sup>st</sup> floor – bathroom – under plywood – black paper insulation	Negative	N/A	MPIk
3-2614	1 <sup>st</sup> floor – hall – beige and brown linoleum	Negative	N/A	MFLen
4-2614	1 <sup>st</sup> floor – kitchen – west side – beige and brown linoleum	Negative	N/A	MFLen
5-2614	1 <sup>st</sup> floor – kitchen – east side – beige and brown linoleum	Negative	N/A	MFLen
<b>6-2614</b>	<b>1<sup>st</sup> floor – pantry – beige and gray linoleum</b>	<b>Positive 25% Chrysotile</b>	<b>15 Sq. Ft.</b>	<b>MFLey</b>
7-2614	1 <sup>st</sup> floor – rear stair – cream and brown linoleum	Negative	N/A	MFLcn
8-2614	2 <sup>nd</sup> floor – kitchen – center under plywood – tan linoleum	Negative	N/A	MFLt
9-2614	2 <sup>nd</sup> floor – kitchen – west side under plywood – tan linoleum	Negative	N/A	MFLt
10-2614	2 <sup>nd</sup> floor – hall – under plywood – tan linoleum	Negative	N/A	MFLt
11-2614	2 <sup>nd</sup> floor – bathroom – under plywood – tan paper insulation	Negative	N/A	MPIt
12-2614	2 <sup>nd</sup> floor – dining room – north wall – plaster	Negative	N/A	SPI
13-2614a	2 <sup>nd</sup> floor – living room – south wall – plaster skim coat	Negative	N/A	SPI
13-2614b	2 <sup>nd</sup> floor – living room – south wall – plaster base coat	Negative	N/A	SPI
14-2614a	2 <sup>nd</sup> floor – front stair – east wall – plaster skim coat	Negative	N/A	SPI
14-2614b	2 <sup>nd</sup> floor – front stair – east wall – plaster base coat	Negative	N/A	SPI
15-2614a	Basement – stair – ceiling – patch layer	Negative	N/A	SPI
15-2614b	Basement – stair – ceiling – plaster skim coat	Negative	N/A	SPI
15-2614c	Basement – stair – ceiling – plaster base coat	Negative	N/A	SPI
16-2614a	1 <sup>st</sup> floor – east bedroom – east wall – plaster skim coat	Negative	N/A	SPI
16-2614b	1 <sup>st</sup> floor – east bedroom – east wall – plaster base coat	Negative	N/A	SPI
17-2614a	1 <sup>st</sup> floor – north bedroom – ceiling – plaster skim coat	Negative	N/A	SPI

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
17-2614b	1 <sup>st</sup> floor – north bedroom – ceiling – plaster base coat	Negative	N/A	SPI
17-2614c	1 <sup>st</sup> floor – north bedroom – ceiling – drywall	Negative	N/A	SPI
18-2614a	1 <sup>st</sup> floor – dining room – north wall – plaster skim coat	Negative	N/A	SPI
18-2614b	1 <sup>st</sup> floor – dining room – north wall – plaster base coat	Negative	N/A	SPI
19-2614	2 <sup>nd</sup> floor – west bedroom – in north wall – blown in insulation	Negative	N/A	MBI
20-2614	1 <sup>st</sup> floor – kitchen – in south wall – blown in insulation	Negative	N/A	MBI
21-2614	1 <sup>st</sup> floor – north bedroom – in north wall – blown in insulation	Negative	N/A	MBI
22-2614	2 <sup>nd</sup> floor – living room – west window – glazing compound	Trace <1% Chrysotile	N/A	MPG
22-2614	POINT COUNT RESULT	Trace 0.5% Chrysotile	N/A	MPG
23-2614	Basement – northeast closet – window stack – glazing compound	Positive 2% Chrysotile	N/A	MPG
<b>23-2614</b>	<b>POINT COUNT RESULT</b>	<b>Positive 1.75% Chrysotile</b>	<b>59 Windows</b>	<b>MPG</b>
24-2614	1 <sup>st</sup> floor – north bedroom – north window – glazing compound	Positive 2% Chrysotile	N/A	MPG
24-2614	POINT COUNT RESULT	Trace 1% Chrysotile	N/A	MPG
25-2614	2 <sup>nd</sup> floor – living room – ceiling – texture	Negative	N/A	STX
26-2614	2 <sup>nd</sup> floor – kitchen – ceiling – texture	Negative	N/A	STX
27-2614	1 <sup>st</sup> floor – east bedroom – ceiling – texture	Negative	N/A	STX
28-2614a	2 <sup>nd</sup> floor – north bedroom – ceiling – plaster patch	Negative	N/A	SPIP
28-2614b	2 <sup>nd</sup> floor – north bedroom – ceiling – drywall	Negative	N/A	SPIP
29-2614a	Basement – on west side of chimney – gray flue packing top layer	Negative	N/A	TFPy
29-2614b	Basement – on west side of chimney – gray flue packing bottom layer	Negative	N/A	TFPy
<b>30-2614</b>	<b>Basement – on north side of chimney – white flue packing</b>	<b>Positive 15% Chrysotile</b>	<b>1 Sq. Ft.</b>	<b>TFPw</b>
31-2614a	Basement – ceiling west side – plaster #2 skim coat	Negative	N/A	SPI2
31-2614b	Basement – ceiling west side – plaster #2 base coat	Negative	N/A	SPI2
31-2614c	Basement – ceiling west side – drywall	Negative	N/A	SPI2
32-2614a	Basement – ceiling west side – plaster #2	Negative	N/A	SPI2
32-2614b	Basement – ceiling west side – drywall	Negative	N/A	SPI2
33-2614a	Basement – ceiling west side – plaster #2	Negative	N/A	SPI2
33-2614b	Basement – ceiling west side – drywall	Negative	N/A	SPI2
<b>34-2614</b>	<b>Basement – on wall near furnace – duct paper</b>	<b>Positive 65% Chrysotile</b>	<b>20 Sq. Ft.</b>	<b>TDW</b>
<b>35-2614</b>	<b>Basement – on boot near center – duct paper</b>	<b>Positive 65% Chrysotile</b>	<b>Reference 34-2614</b>	<b>TDW</b>

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
36-2614	Basement – on boot east side – duct paper	Positive 65% Chrysotile	Reference 34-2614	TDW
37-2614	Basement – ceiling east side – fiberboard	Negative	N/A	MFB
38-2614	Basement – ceiling east side – fiberboard	Negative	N/A	MFB
39-2614	Basement – ceiling east side – fiberboard	Negative	N/A	MFB
40-2614a	1 <sup>st</sup> floor – north bedroom – north wall – joint compound	Negative	N/A	MDW
40-2614b	1 <sup>st</sup> floor – north bedroom – north wall – drywall	Negative	N/A	MDW
41-2614a	1 <sup>st</sup> floor – living room – south wall – joint compound	Negative	N/A	MDW
41-2614b	1 <sup>st</sup> floor – living room – south wall – drywall	Negative	N/A	MDW
42-2614a	1 <sup>st</sup> floor – living room – south wall – joint compound	Negative	N/A	MDW
42-2614b	1 <sup>st</sup> floor – living room – south wall – drywall	Negative	N/A	MDW

**Notes:** N/A = Not Applicable  
Sq. Ft. = Square Feet

### Assumed Category I Non-Friable Asbestos Containing Material:

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,300 Sq. Ft.
1 <sup>st</sup>	Bathroom/Pantry/Hall/Stair/Kitchen	Floor Tile & Mastic	370 Sq. Ft.
2 <sup>nd</sup>	Kitchen/Bathroom/Pantry	Floor Tile & Mastic	230 Sq. Ft.

#### Homogeneous Material Codes

SPI	Plaster
SPI2	Plaster #2
SPIP	Plaster Patch
STX	Texture
MFLyt	Gray & Tan Linoleum
MFLen	Beige & Brown Linoleum
MFLey	Beige & Gray Linoleum
MFLcn	Cream & Brown Linoleum
MFLt	Tan Linoleum
MPIk	Black Paper Insulation
MPIt	Tan Paper Insulation
MBI	Blown in Insulation
MDW	Drywall/Joint Compound
MFB	Fiberboard
MPG	Glazing Compound
TDW	Duct Paper
TFPw	White Flue Packing
TFPy	Gray Flue Packing

**Note#1:** Category I – Non-Friable Asbestos Containing Materials may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

**Note#2:** If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

**Note#3:** A copy of this report should be transmitted to the demolition contractor.

**Note#4:** Additional duct paper may be within walls and ceilings.

## V. EXCLUSIONS

**Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.**

HMG is not and shall not represent the building owner as its agent or representative for the purpose of the US EPA/NESHAP and/or the WDNR/NR447 regulations, as owner/operator.

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

## VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

*This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.*

## VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

This guide lists materials and products commonly found in buildings with examples. It is not intended as a substitute for reading the rules and statutes and making your own independent determination of their applicability to your demolition project. These examples presented here do not represent an exhaustive listing of types of materials that may be required to be removed from the building prior to demolition.

### **ASBESTOS**

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health & Family Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

### **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

### **LEAD**

Lead or Lead Based Paint (LBP) is common in many older buildings. When recycling construction and demolition debris, be aware that wood containing lead paint may not be chipped and spread for landscaping. State law also prohibits the sale or transfer of any fixture or other object containing LBP that might be placed upon any surface of a dwelling, which is ordinarily accessible to children.

## MERCURY

Products that may contain mercury:

### LIGHTING

<u>1</u>	Fluorescent Lights – Basement
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

### HVAC

Check thermostats and any control associated with air handling units for switches containing mercury.

### HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>1</u>	Old Thermostats – 1 <sup>st</sup> Floor Hall
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

### BOILERS, FURNACES, HEATERS AND TANKS – 2 Furnaces in Basement

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>N/A</u>	Space Heaters

## **ELECTRICAL SYSTEMS – 2 Electric Meters & 1 Breaker Box in Basement**

<u>N/A</u>	Load Meters and Supply Relays
<u>N/A</u>	Phase Splitters
<u>N/A</u>	Microwave Relays
<u>N/A</u>	Mercury Displacement Relays

### **PCBs**

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building where PCBs may be found:

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>N/A</u>	Light Ballasts
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

### **OTHER ENVIRONMENTAL ISSUES**

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>1</u>	Junk Auto Tires – Exterior
<u>N/A</u>	Junk Vehicles

\* 2 Gas Meters on Exterior

\* 1 Pint Gas Stabilizer in Basement

## VIII. LABORATORY RESULTS



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 232073	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2614

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-2614	Homogeneous	Beige Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
002	2-2614	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
003	3-2614	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
004	4-2614	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
005	5-2614	Homogeneous	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
006	6-2614	Homogeneous	Brown Sheet Vinyl	Asbestos Present Chrysotile 25	NA	Vinyl
007	7-2614	Homogeneous	Tan Linoleum	Asbestos Not Present	Cellulose 10 Synthetic 15	Vinyl CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232073	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2614

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8-2614	Homogeneous	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
009	9-2614	Homogeneous	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
010	10-2614	Homogeneous	Yellow Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
011	11-2614	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
012	12-2614	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3 Paint
013	13-2614	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
013a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 232073	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2614

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
014	14-2614	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
014a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
015	15-2614	Layered	White Texture	Asbestos Not Present	NA	CaCO3 Paint
015a		Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
015b		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
016	16-2614	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3 Paint
016a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232073	Client: Harena Management Group
Account Number: B929	Jolene Harena
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2614

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
017	17-2614	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
017a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
017b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
018	18-2614	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
018a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
019	19-2614	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
020	20-2614	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	

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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232073	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2614

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
021	21-2614	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 100	
022	22-2614	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile <1	NA	CaCO3
023	23-2614	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 2	NA	CaCO3
024	24-2614	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 2	NA	CaCO3
025	25-2614	Homogeneous	Tan Texture	Asbestos Not Present	NA	CaCO3 Paint
026	26-2614	Homogeneous	Tan Texture	Asbestos Not Present	NA	CaCO3 Paint
027	27-2614	Homogeneous	Tan Texture	Asbestos Not Present	NA	CaCO3 Paint

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### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 232073	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2614

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
028	28-2614	Layered	White Plaster	Asbestos Not Present	NA	Gypsum Perlite
028a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 10	Gypsum
029	29-2614	Layered	Tan Stucco	Asbestos Not Present	NA	Sand CaCO3 Paint
029a		Layered	Gray Stucco	Asbestos Not Present	NA	Sand CaCO3
030	30-2614	Homogeneous	Gray/Green Insulation	Asbestos Present Chrysotile 15	NA	CaCO3 Paint
031	31-2614	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
031a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3

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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232073	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2614

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
031b		Layered	White Sheetrock	Asbestos Not Present	Cellulose	5 Gypsum
032	32-2614	Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
032a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	10 Gypsum
033	33-2614	Layered	White Plaster	Asbestos Not Present	NA	Sand CaCO3
033a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum
034	34-2614	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 65	NA	Binder
035	35-2614	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 65	NA	Binder

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### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 232073	Client: Harendra Management Group
Account Number: B929	Jolene Harendra
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2614

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
036	36-2614	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 65	NA	Binder
037	37-2614	Homogeneous	Brown Insulation	Asbestos Not Present	Cellulose 90	Binder
038	38-2614	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 90	Binder
039	39-2614	Homogeneous	Tan Insulation	Asbestos Not Present	Cellulose 90	Binder
040	40-2614	Layered	White Texture	Asbestos Not Present	NA	Gypsum Paint
040a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
041	41-2614	Layered	White Texture	Asbestos Not Present	NA	Gypsum Paint

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### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 232073	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2614

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
041a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum
042	42-2614	Layered	White Texture	Asbestos Not Present	NA	Gypsum Paint
042a		Layered	White Sheetrock	Asbestos Not Present	Cellulose	2 Gypsum

  
 Cristal Veech, Analyst

2/21/2014  
 Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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# ASBESTOS CHAIN OF CUSTODY

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 Lab No. 232073  
 Accept  Reject

Report Results  one box  
 QuanTEM Website  
 Other email \_\_\_\_\_

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-066-2614	
SAMPLED BY: <u>Dean Jacobsen</u>	Name:	P.O. Number:	

RELINQUISHED BY: <u>Dean Jacobsen</u>	DATE & TIME: <u>2/17/14 1800</u>	VIA: <u>FedEx</u>	RECEIVED BY: <u>J. Mueller</u>	DATE & TIME: <u>2/18/14 1000</u>
---------------------------------------	----------------------------------	-------------------	--------------------------------	----------------------------------

REQUESTED SERVICES (Please check the appropriate boxes)					TURNAROUND TIME	Comments / Notes	
PLM	PLM	TEM	TEM	TEM			
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air-AHERA	<input type="checkbox"/> Bulk-Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Bulk-Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush	Do Not Test Mastic	
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air-NIOSH 7402	<input type="checkbox"/> Bulk-Quantitative [weight%]-Chatfield	<input type="checkbox"/> Bulk-Quantitative [weight%]-Chatfield	<input type="checkbox"/> Same Day		
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> PCM	<input type="checkbox"/> Air-ISO 10312	<input type="checkbox"/> Dust-Presence / Absence	<input type="checkbox"/> Dust-Presence / Absence	<input type="checkbox"/> 24-Hour		
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust-Quantitative [fibers/sq.cm]-ASTM D5755	<input type="checkbox"/> Dust-Quantitative [fibers/sq.cm]-ASTM D5755	<input checked="" type="checkbox"/> 3-Day		
<input type="checkbox"/> Particle ID		<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> Other	<input type="checkbox"/> 5-Day		
No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Color		
1	1-2614	<input checked="" type="checkbox"/>					
2	2-2614	<input type="checkbox"/>					
3	3-2614	<input type="checkbox"/>					
4	4-2614	<input type="checkbox"/>					
5	5-2614	<input type="checkbox"/>					
6	6-2614	<input type="checkbox"/>					
7	7-2614	<input type="checkbox"/>					
8	8-2614	<input type="checkbox"/>					
9	9-2614	<input type="checkbox"/>					
10	10-2614	<input checked="" type="checkbox"/>					



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For Lab Use Only
Lab No. <u>232073</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI		
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
11	11-2614				Do Not Test / Asstic
12	12-2614				
13	13-2614				
14	14-2614				
15	15-2614				
16	16-2614				
17	17-2614				
18	18-2614				
19	19-2614				
20	20-2614				
21	21-2614				
22	22-2614				
23	23-2614				
24	24-2614				
25	25-2614				
26	26-2614				
27	27-2614				
28	28-2614				
29	29-2614				
30	30-2614				



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For Lab Use Only
Lab No. <u>232013</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS	Project Location: Milwaukee, WI			
Company: Harenda Management Group		Project Name: DNS	Project Location: Milwaukee, WI			
No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31-2614	<input checked="" type="checkbox"/>				
32	32-2614	<input type="checkbox"/>				
33	33-2614	<input type="checkbox"/>				
34	34-2614	<input type="checkbox"/>				
35	35-2614	<input type="checkbox"/>				
36	36-2614	<input type="checkbox"/>				
37	37-2614	<input type="checkbox"/>				
38	38-2614	<input type="checkbox"/>				
39	39-2614	<input type="checkbox"/>				
40	40-2614	<input type="checkbox"/>				
41	41-2614	<input type="checkbox"/>				
42	42-2614	<input checked="" type="checkbox"/>				
43		<input type="checkbox"/>				
44		<input type="checkbox"/>				
45		<input type="checkbox"/>				
46		<input type="checkbox"/>				
47		<input type="checkbox"/>				
48		<input type="checkbox"/>				
49		<input type="checkbox"/>				
50		<input type="checkbox"/>				



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Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232304

Account Number: B929

Date Received: 02/24/2014

Received By: Sherrie Leftwich

Date Analyzed: 02/24/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: PTCT for 232073, DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.2614

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	22-2614	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 0.50 400 Point Count	NA	
002	23-2614	Homogeneous	Tan Window Glazing	Asbestos Present Chrysotile 1.75 400 Point Count	NA	
003	24-2614	Homogeneous	White Window Glazing	Asbestos Present Chrysotile 1.00 400 Point Count	NA	

*Cristal Veech*  
Cristal Veech, Analyst

2/24/2014  
Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Contact Information		Project Information	
Company: <b>Harenda Management Group</b>	Phone: <b>(414) 383-4800</b>	Project Name: <b>DNS</b>	Report Results <input checked="" type="checkbox"/> (one box)
Contact: <b>Dean Jacobsen</b>	Cell Phone:	Project Location: <b>Milwaukee, WI</b>	<input checked="" type="checkbox"/> Quantem Website
Account #: <b>B929</b>	Email: <b>djacobsen@harenda.com</b>	Project ID: <b>14-200-061.2614</b>	<input type="checkbox"/> Other email
SAMPLED BY: Name: <i>Dean Jacobsen</i>	Date:	PO Number:	

RELINQUISHED BY	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	<i>Email</i>	<i>Shiffwicks</i>	<i>2/24/14 10:10</i>

**REQUESTED SERVICES (Please  the Appropriate Boxes)**

	PLM	PLM	TEM	TEM	TURNAROUND TIME
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush	
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative (weight%) - Chatfield	<input type="checkbox"/> Same Day	
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input checked="" type="checkbox"/> 24 - Hour	
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative (fibers/sq.cm) - ASTM D5755	<input type="checkbox"/> 3 - Day	
<input type="checkbox"/> Particle ID	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day	

No.	Sample ID (10 Characters Max)	To Be Analyzed <input checked="" type="checkbox"/>	Description	Volume / Area (as applicable)	Comments / Notes
1	22-2614	<input checked="" type="checkbox"/>			Quantem Lab # 232073
2	23-2614	<input checked="" type="checkbox"/>			
3	24-2614	<input checked="" type="checkbox"/>			
4		<input type="checkbox"/>			
5		<input type="checkbox"/>			
6		<input type="checkbox"/>			
7		<input type="checkbox"/>			
8		<input type="checkbox"/>			
9		<input type="checkbox"/>			
10		<input type="checkbox"/>			

## **IX. HMG CERTIFICATION**



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen  
W1316781 Kipling Dr  
Monkego WI 53150-3401

		160 lbs	5' 08"
ALL-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

is certified under ch. HFS 159, Wis. Adm. Code as a

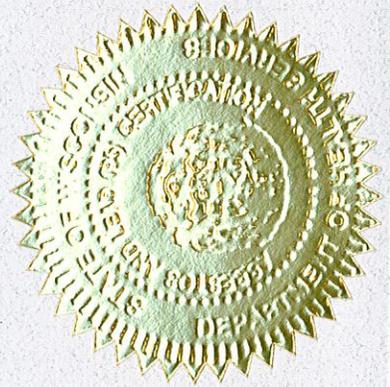
Asbestos Company - Primary

Certificate Issue Date: 09/11/2013  
Expiration Date: 08/31/2015, 12:01 a.m.  
Certification #: CAP-480540

Wisconsin Department of Health Services  
Division of Public Health  
Bureau of Environmental and Occupational Health  
Asbestos & Lead Section  
PO Box 2659  
Madison WI 53701-2659  
Phone: (608) 261-6876



*Shelley A. Bruce*  
Shelley A. Bruce,  
Unit Supervisor





**ASBESTOS SNIP INSPECTION REPORT**

**Job Site:**

**Fire Damaged  
Two Family Dwelling  
2972 North Palmer Street  
Milwaukee, Wisconsin**

For:

City of Milwaukee  
Department of Neighborhood Services  
Attn: Marge Piwaron  
841 North Broadway 1<sup>st</sup> Floor  
Milwaukee, Wisconsin 53202-3613

**HMG Report No.: 14-200-061.2972  
Contract No.: 360-14-0745**

A handwritten signature in black ink, appearing to read "Dean Jacobsen", is written over a horizontal line.

Dean Jacobsen  
Asbestos Inspector No. AII – 14370

Prepared by:

**HARENDA MANAGEMENT GROUP**  
1237 West Bruce Street  
Milwaukee, Wisconsin 53204

**February 2014**

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## I. INTRODUCTION

Harenda Management Group (HMG) was retained by the City of Milwaukee Department of Neighborhood Services to conduct an inspection for possible asbestos containing materials in the dwelling at 2972 North Palmer Street, Milwaukee, Wisconsin.

The inspection included stucco, plaster, texture, window glazing compound, linoleum, drywall/joint compound, paper insulation, tar paper, fiberboard, flue packing, aircell insulation, boiler insulation, fire brick, ceramic tile, and ceiling tile to determine if asbestos containing materials were present within the space as required by *US EPA NESHAP regulation 40 CFR 61 Subpart M*.

## II. BUILDING SURVEY

Marge Piwaron, of the City of Milwaukee Department of Neighborhood Services, authorized HMG to conduct a building survey and to analyze samples taken during the inspection.

**On February 17, 2014 HMG conducted an asbestos inspection of a two family dwelling, scheduled for mechanical demolition, located at 2972 North Palmer Street, Milwaukee, Wisconsin. The inspection was conducted by Dean Jacobsen, Wisconsin License No. AII – 14370.**

The inspection was comprised of three elements:

1. A visual determination as to the extent of suspect materials within the building.
2. Sampling and documentation of observable suspect materials. Category I non-friable materials were assumed to be asbestos containing and not sampled.
3. Quantification of observable positive materials existing within the spaces.

The results of the survey integrated with the Polarized Light Microscopy with Dispersion Staining (PLM/DS) analysis of bulk samples taken are outlined in this document. If you have any questions please contact HMG at (414) 383-4800.

## III. THE LABORATORY

### A. METHOD OF ANALYSIS

Analysis is performed by using the bulk samples for visual observation and slide preparation(s) for microscopical examination and identification. The slides are analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/ tremolite), fibrous non asbestos constituents (mineral wool, paper, etc.), and nonfibrous constituents. Asbestos is identified by refractive indices (obtained by using dispersion staining), morphology, color, pleochroism, birefringence, extinction characteristics, and signs of elongation. The same characteristics are used to identify the non asbestos constituents.

The microscopist visually estimates relative amounts of each constituent using a stereoscope if necessary. The test results are based on a visual determination of relative volume of the bulk sample components. The results are valid only for the item tested. Current US EPA NESHAP regulations state asbestos materials means material containing more than 1% asbestos as determined using the method specified in Appendix E, Subpart E, 40 CFR Part 763 Section I, Polarized Light Microscopy. Refer to 29 CFR 1926.1101 (Construction) and 29 CFR 1910.1001 (General Industry) for specific OSHA requirements.

#### IV. FINDINGS AND OBSERVATIONS

The materials identified as suspect asbestos containing materials (ACM) include stucco, plaster, texture, window glazing compound, linoleum, drywall/joint compound, paper insulation, tar paper, fiberboard, flue packing, aircell insulation, boiler insulation, fire brick, ceramic tile, and ceiling tile. These materials were sampled and the following results were noted:

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
1-2972	Exterior – basement level – east wall – stucco	Negative	N/A	STC
2-2972	Exterior – basement level – south wall – stucco	Negative	N/A	STC
3-2972	Exterior – basement level – north wall – stucco	Negative	N/A	STC
4-2972	1 <sup>st</sup> floor – living room – west window – glazing compound	Negative	N/A	MPG
5-2972	2 <sup>nd</sup> floor – living room – west window – glazing compound	Negative	N/A	MPG
6-2972	Basement – east window – glazing compound	Negative	N/A	MPG
7-2972	2 <sup>nd</sup> floor – kitchen closet – tan/black/green	Negative	N/A	MFLtkg
8-2972	2 <sup>nd</sup> floor – kitchen – north wall – drywall	Negative	N/A	MDW
9-2972a	2 <sup>nd</sup> floor – living room – west wall – joint compound	Positive 2% Chrysotile	N/A	MDW
9-2972b	2 <sup>nd</sup> floor – living room – west wall – joint compound layer 2	Trace <1% Chrysotile	N/A	MDW
9-2972c	2 <sup>nd</sup> floor – living room – west wall – drywall	Negative	N/A	MDW
9-2972	COMPOSITE POINT COUNT RESULT	Trace <0.25% Chrysotile	N/A	MDW
10-2972a	2 <sup>nd</sup> floor – bedroom – south wall – joint compound	Positive 2% Chrysotile	N/A	MDW
10-2972b	COMPOSITE POINT COUNT RESULT	Trace <0.25% Chrysotile	N/A	MDW
10-2972	2 <sup>nd</sup> floor – bedroom – south wall – drywall	Negative	N/A	MDW
11-2972	2 <sup>nd</sup> floor – kitchen – under floor tile – paper insulation	Negative	N/A	MPI
12-2972	1 <sup>st</sup> floor – kitchen – under floor tile – paper insulation	Negative	N/A	MPI
13-2972	1 <sup>st</sup> floor – hall – under floor tile – paper insulation	Negative	N/A	MPI
14-2972	2 <sup>nd</sup> floor – west bedroom – west side – brown linoleum	Negative	N/A	MFLn
15-2972	2 <sup>nd</sup> floor – west bedroom closet – tan and green linoleum	Negative	N/A	MFLtg
16-2972	2 <sup>nd</sup> floor – back hall – under floor tile – tar paper	Negative	N/A	MPT
17-2972a	2 <sup>nd</sup> floor – east bedroom – south wall – tar	Negative	N/A	MFB
17-2972b	2 <sup>nd</sup> floor – east bedroom – south wall – fiberboard	Negative	N/A	MFB

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
18-2972a	2 <sup>nd</sup> floor – east bedroom – east wall – gold layer	Negative	N/A	MFB
18-2972b	2 <sup>nd</sup> floor – east bedroom – east wall – tar	Negative	N/A	MFB
18-2972c	2 <sup>nd</sup> floor – east bedroom – east wall – fiberboard	Negative	N/A	MFB
19-2972a	2 <sup>nd</sup> floor – east bedroom – north wall – tar	Negative	N/A	MFB
19-2972b	2 <sup>nd</sup> floor – east bedroom – north wall – fiberboard	Negative	N/A	MFB
20-2972	2 <sup>nd</sup> floor – stair – north wall – texture	Negative	N/A	STX
21-2972	2 <sup>nd</sup> floor – stair – south wall – texture	Negative	N/A	STX
22-2972	1 <sup>st</sup> floor – stair – north wall – texture	Negative	N/A	STX
23-2972	Basement – stair – ceiling – plaster	Negative	N/A	SPI
24-2972	1 <sup>st</sup> floor – east bedroom – west wall – plaster	Negative	N/A	SPI
25-2972a	1 <sup>st</sup> floor – kitchen – south wall – patch layer	Negative	N/A	SPI
25-2972b	1 <sup>st</sup> floor – kitchen – south wall – plaster skim coat	Negative	N/A	SPI
25-2972c	1 <sup>st</sup> floor – kitchen – south wall – plaster base coat	Negative	N/A	SPI
26-2972a	1 <sup>st</sup> floor – living room – north wall – plaster skim coat	Negative	N/A	SPI
26-2972b	1 <sup>st</sup> floor – living room – north wall – plaster base coat	Negative	N/A	SPI
27-2972a	1 <sup>st</sup> floor – dining room – east wall – plaster skim coat	Negative	N/A	SPI
27-2972b	1 <sup>st</sup> floor – dining room – east wall – plaster base coat	Negative	N/A	SPI
28-2972	Basement – on east/west sides of chimney – gray flue packing	Negative	N/A	TFPy
<b>29-2972</b>	<b>Basement – on south side of chimney – white flue packing</b>	<b>Positive 75% Chrysotile</b>	<b>1 Sq. Ft.</b>	<b>TFPw</b>
30-2972a	Basement – on south wall – patch layer	Negative	N/A	SPI2
30-2972b	Basement – on south wall – plaster #2	Negative	N/A	SPI2
31-2972	Basement – on north wall – plaster #2	Negative	N/A	SPI2
32-2972	Basement – on west wall – plaster #2	Negative	N/A	SPI2
<b>33-2972</b>	<b>Basement – east side - &lt;5” diameter aircell pipe insulation</b>	<b>Positive 60% Chrysotile</b>	<b>25 Ln. Ft. &amp; 30 Sq. Ft. of Floor</b>	<b>TA5</b>
<b>34-2972</b>	<b>Basement – near center and on southwest corner floor – aircell sheet</b>	<b>Positive 60% Chrysotile</b>	<b>25 Sq. Ft.</b>	<b>TA</b>
<b>35-2972</b>	<b>Basement – on west side of boiler – gray insulation</b>	<b>Positive 70% Chrysotile</b>	<b>40 Sq. Ft.</b>	<b>TBE</b>
<b>36-2972</b>	<b>Basement – on east side of boiler – gray insulation</b>	<b>Positive 70% Chrysotile</b>	<b>Reference 35-2972</b>	<b>TBE</b>
<b>37-2972</b>	<b>Basement – on top of boiler – gray insulation</b>	<b>Positive 65% Chrysotile</b>	<b>Reference 35-2972</b>	<b>TBE</b>
38-2972	Basement – inside boiler – fire brick	Negative	N/A	TFB
39-2972a	1 <sup>st</sup> floor – bathroom floor – white and black ceramic tile	Negative	N/A	MCTMwk
39-2972b	1 <sup>st</sup> floor – bathroom floor – grout	Negative	N/A	MCTMwk
40-2972	1 <sup>st</sup> floor – bathroom floor – under ceramic tile – mortar	Negative	N/A	MCTMM
41-2972	1 <sup>st</sup> floor – bathroom floor – on tub wall – tan ceramic tile	Negative	N/A	MCTMt
42-2972	1 <sup>st</sup> floor – dining room – west side – 1’ x 1’ ceiling tile	Negative	N/A	MSCT11
43-2972	1 <sup>st</sup> floor – dining room – east side – 1’ x 1’ ceiling tile	Negative	N/A	MSCT11

Sample #	Location and Description	Results	Approximate Quantity	Homogeneous Code
44-2972	1 <sup>st</sup> floor – dining room – south side – 1' x 1' ceiling tile	Negative	N/A	MSCT11
45-2972a	2 <sup>nd</sup> floor – bathroom – under floor tile – beige and brown linoleum	Negative	N/A	MFLen
45-2972b	2 <sup>nd</sup> floor – bathroom – under linoleum – tar paper	Negative	N/A	MFLen

**Notes:** N/A = Not Applicable  
 Sq. Ft. = Square Feet  
 Ln. Ft. = Linear Feet

**Assumed Category I Non-Friable Asbestos Containing Material:**

Floor Level	Location	Description	Approximate Quantity
Roof	Dwelling	Asphalt Shingles & Flashing	1,000 Sq. Ft.
1 <sup>st</sup>	Front Entry/Hall/Stair/Kitchen	Floor Tile & Mastic	550 Sq. Ft.
2 <sup>nd</sup>	Kitchen/Stair/Hall/ Bathroom/Bedroom	Floor Tile & Mastic	550 Sq. Ft.

**Homogeneous Material Codes**

SPI	Plaster
STX	Texture
STC	Stucco
MPG	Glazing Compound
MFLtkg	Tan/Black/Green Linoleum
MFLn	Brown Linoleum
MFLtg	Tan & Green Linoleum
MFLen	Beige & Brown Linoleum
MDW	Drywall/Joint Compound
MPI	Paper Insulation
MPT	Tar Paper
MFB	Fiberboard
MCTMwk	White & Black Ceramic Tile
MCTMt	Tan Ceramic Tile
MCTMM	Mortar
MSCT11	1' x 1' Ceiling Tile
TA5	<5" Diameter Aircell Pipe Insulation
TA	Aircell Sheet
TFPw	White Flue Packing
TFPy	Gray Flue Packing
TBE	Exterior Boiler Insulation
TFB	Fire Brick

**Note#1:** Category I – Non-Friable Asbestos Containing Materials may become friable during mechanical demolition activities or maybe considered friable prior to demolition activities due to its current condition.

**Note#2:** If additional materials are discovered during demolition that are not listed above they are to be assumed to be asbestos containing.

**Note#3:** A copy of this report should be transmitted to the demolition contractor.

**Note#4:** Additional aircell may be within walls and ceilings.

## V. EXCLUSIONS

**Roof visible only from ground. No visible or accessible areas were excluded from the scope of work.**

HMG is not and shall not represent the building owner as its agent or representative for the purpose of the US EPA/NESHAP and/or the WDNR/NR447 regulations, as owner/operator.

This report represents the condition of the building and its visible/accessible suspect asbestos containing materials at the date and the times of the onsite inspection. Hidden materials or those materials that could be present at the point of inspection, over and above those stated in the inspection report, are the responsibility of the building owner and the demolition contractor.

## VI. LIMITATIONS

The care and skill given to our procedures insures the most reliable test results possible. HMG utilizes Quantem Laboratories for our Polarized Light Microscopy, unless otherwise specified by the client. The findings and conclusions of HMG represent our professional opinions extrapolated from limited data. Significant limited data is gathered during the course of the preliminary asbestos specific site assessment. No other warranty is expressed or implied. Prior to any abatement or renovation activities, it is recommended that HMG be provided the opportunity to review such plans in order that the inspection and assessments contained herein are properly interpreted and implemented.

*This report and the information contained herein are prepared for the sole and exclusive use and possession of the City of Milwaukee Department of Neighborhood Services. No other person or entity may rely on this report or any information contained herein. Any dissemination of the Report or any information contained herein is strictly prohibited without prior written authorization from Harenda Management Group.*

## VII. PRE-DEMOLITION ENVIRONMENTAL CHECKLIST

This guide lists materials and products commonly found in buildings with examples. It is not intended as a substitute for reading the rules and statutes and making your own independent determination of their applicability to your demolition project. These examples presented here do not represent an exhaustive listing of types of materials that may be required to be removed from the building prior to demolition.

### **ASBESTOS**

Persons conducting inspections for asbestos must hold a valid asbestos inspector certification card issued by the State of Wisconsin, Dept. of Health & Family Services. **Please follow the Asbestos Inspection and Sampling Protocol for Buildings to be Demolished or Renovated.**

### **CFCs and HALONS**

Equipment that may contain CFCs and Halons:

<u>N/A</u>	Air Conditioners (roof top, room, and central)
<u>N/A</u>	Dehumidifiers
<u>N/A</u>	Heat Pumps
<u>N/A</u>	Refrigerators, Freezers, Chillers
<u>N/A</u>	Vending Machines, Food Display Cases
<u>N/A</u>	Walk-in Coolers
<u>N/A</u>	Water Fountains (bubblers)
<u>N/A</u>	Fire Extinguishers (both portable and installed HALON suppression systems)
<u>N/A</u>	Water Coolers

### **LEAD**

Lead or Lead Based Paint (LBP) is common in many older buildings. When recycling construction and demolition debris, be aware that wood containing lead paint may not be chipped and spread for landscaping. State law also prohibits the sale or transfer of any fixture or other object containing LBP that might be placed upon any surface of a dwelling, which is ordinarily accessible to children.

## MERCURY

Products that may contain mercury:

### LIGHTING

<u>5</u>	Fluorescent Lights – 1 <sup>st</sup> & 2 <sup>nd</sup> Floor Kitchen
<u>N/A</u>	High Intensity Discharge -Metal Halide -High Pressure Sodium -Mercury Vapor
<u>N/A</u>	Neon
<u>N/A</u>	Switches for lighting using mercury relays -Look for any control associated with exterior or automated lighting systems such as "Silent" wall switches.

### HVAC

Check thermostats and any control associated with air handling units for switches containing mercury.

### HEATING, VENTILATING AND AIR CONDITIONING SYSTEMS

<u>1</u>	Old Thermostats – 2 <sup>nd</sup> Floor Living Room
<u>N/A</u>	Aquastats
<u>N/A</u>	Firestats
<u>N/A</u>	Manometers
<u>N/A</u>	Thermometers

### BOILERS, FURNACES, HEATERS AND TANKS – 1 Furnace in Attic. 1 Boiler in Basement

<u>N/A</u>	Mercury Flame Sensors by pilot lights
<u>N/A</u>	Manometers, Thermometers, Gauges
<u>N/A</u>	Pressure-trol
<u>N/A</u>	Float or Level Controls
<u>N/A</u>	Space Heaters

## ELECTRICAL SYSTEMS

<u>N/A</u>	Load Meters and Supply Relays
<u>N/A</u>	Phase Splitters
<u>N/A</u>	Microwave Relays
<u>N/A</u>	Mercury Displacement Relays

## PCBs

For electrical devices manufactured prior to 1987, it is safe to assume that they contain PCBs and should be managed accordingly. Most equipment manufactured after this time will say "PCB Free". The following is a list of areas in a building where PCBs may be found:

<u>N/A</u>	Transformers
<u>N/A</u>	Capacitors (appliances, electronic equipment)
<u>N/A</u>	Heat Transfer Equipment
<u>1</u>	Light Ballasts – 1 <sup>st</sup> Floor Kitchen
<u>N/A</u>	Specialty Paints (such as for swimming pools or other industrial applications)
<u>N/A</u>	Sumps or Oil Traps (in maintenance and industrial facilities)

## OTHER ENVIRONMENTAL ISSUES

<u>N/A</u>	Hazardous Waste
<u>N/A</u>	Oil Tanks
<u>N/A</u>	Well Abandonment
<u>1</u>	Junk Auto Tires – Exterior
<u>N/A</u>	Junk Vehicles

\* 2 Gas Meters on Exterior

## VIII. LABORATORY RESULTS



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232074	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2972

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	1-2972	Homogeneous	Gray Transite	Asbestos Not Present	NA	CaCO3 Binder
002	2-2972	Homogeneous	Gray Cement	Asbestos Not Present	NA	Sand CaCO3
003	3-2972	Homogeneous	Gray Transite	Asbestos Not Present	NA	CaCO3 Binder
004	4-2972	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
005	5-2972	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
006	6-2972	Homogeneous	White Window Glazing	Asbestos Not Present	NA	CaCO3
007	7-2972	Homogeneous	Multi-Color Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 232074	Client: Harendra Management Group
Account Number: B929	Jolene Harendra
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2972

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
008	8-2972	Homogeneous	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum Paint
009	9-2972	Layered	Tan Texture	Asbestos Present Chrysotile 2	NA	CaCO3 Paint
009a		Layered	Tan Joint Compound	Asbestos Present Chrysotile <1	NA	CaCO3
009b		Layered	White Sheetrock	Asbestos Not Present	Cellulose 5	Gypsum
010	10-2972	Layered	Tan Texture	Asbestos Present Chrysotile 2	NA	CaCO3
010a		Layered	White Sheetrock	Asbestos Not Present	Cellulose 2	Gypsum
011	11-2972	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2972

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
012	12-2972	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
013	13-2972	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
014	14-2972	Homogeneous	Brown Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
015	15-2972	Homogeneous	Multi-Color Linoleum	Asbestos Not Present	Cellulose 25	Tar Binder
016	16-2972	Homogeneous	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar
017	17-2972	Layered	Black Tar	Asbestos Not Present	NA	Tar Mica
017a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2972

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
018	18-2972	Layered	Gold Paint	Asbestos Not Present	NA	Paint
018a		Layered	Black Tar	Asbestos Not Present	NA	Tar
018b		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
019	19-2972	Layered	Black Tar	Asbestos Not Present	NA	Tar
019a		Layered	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
020	20-2972	Homogeneous	Gray Plaster	Asbestos Not Present	NA	CaCO3
021	21-2972	Homogeneous	Gray Plaster	Asbestos Not Present	NA	CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 232074	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2972

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
022	22-2972	Homogeneous	White Plaster	Asbestos Not Present	NA	Gypsum Perlite
023	23-2972	Homogeneous	White Plaster	Asbestos Not Present	NA	Sand CaCO3
024	24-2972	Layered	Yellow Mastic	Asbestos Not Present	NA	Glue
024a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
025	25-2972	Layered	White Texture	Asbestos Not Present	Cellulose	4 CaCO3
025a		Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
025b		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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### Polarized Light Microscopy Asbestos Analysis Report

QuanTEM Lab No. 232074	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2972

QuanTEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
026	26-2972	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
026a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
027	27-2972	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3
027a		Layered	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
028	28-2972	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
029	29-2972	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 75	NA	Binder
030	30-2972	Layered	White Skim Coat	Asbestos Not Present	NA	Sand CaCO3

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 232074	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2972

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
030a		Layered	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
031	31-2972	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
032	32-2972	Homogeneous	Tan Plaster	Asbestos Not Present	NA	Sand CaCO3
033	33-2972	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
034	34-2972	Homogeneous	White Insulation	Asbestos Present Chrysotile 60	Cellulose 30	Binder
035	35-2972	Homogeneous	White Insulation	Asbestos Present Chrysotile 70	Cellulose 20	Binder
036	36-2972	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 70	Cellulose 20	Binder

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### Polarized Light Microscopy Asbestos Analysis Report

QuantEM Lab No. 232074	Client: Harenda Management Group
Account Number: B929	Jolene Harenda
Date Received: 02/18/2014	1237 West Bruce St.
Received By: Joanna Mueller	Milwaukee, WI 53204
Date Analyzed: 02/21/2014	Project: DNS
Analyzed By: Cristal Veech	Project Location: Milwaukee, WI
Methodology: EPA/600/R-93/116	Project Number: 14-200-061.2972

QuantEM Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
037	37-2972	Homogeneous	Gray Insulation	Asbestos Present Chrysotile 65	Cellulose 10	Binder
038	38-2972	Homogeneous	Tan Stucco	Asbestos Not Present	NA	Sand CaCO3
039	39-2972	Layered	White Ceramic Tile	Asbestos Not Present	NA	Clay
039a		Layered	Gray Grout	Asbestos Not Present	NA	CaCO3 Clay
040	40-2972	Homogeneous	Gray Plaster	Asbestos Not Present	NA	Sand CaCO3
041	41-2972	Homogeneous	Beige Ceramic Tile	Asbestos Not Present	NA	Clay
042	42-2972	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232074

Account Number: B929

Date Received: 02/18/2014

Received By: Joanna Mueller

Date Analyzed: 02/21/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

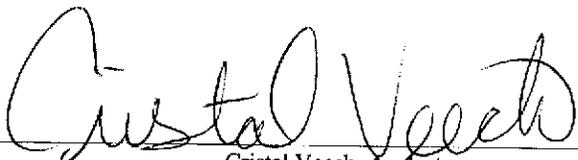
Milwaukee, WI 53204

Project: DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.2972

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
043	43-2972	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
044	44-2972	Homogeneous	Brown Fiberboard	Asbestos Not Present	Cellulose 100	
045	45-2972	Layered	Tan Sheet Vinyl	Asbestos Not Present	Cellulose 25	Vinyl
045a		Layered	Black Tar Paper	Asbestos Not Present	Cellulose 60	Tar

  
 Cristal Veech, Analyst

2/21/2014

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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# ASBESTOS CHAIN OF CUSTODY

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www.QuanTEM.com

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For Lab Use Only  
 Lab No. 23207M  
 Accept  Reject  
 Report Results  (one box)  
 QuanTEM Website  
 Other\_email \_\_\_\_\_

<b>Contact Information</b> Company: Harenda Management Group Contact: Dean Jacobsen Account #: B929 E-mail: djacobsen@harenda.com Date: _____		<b>Project Information</b> Project Name: DNS Project Location: Milwaukee, WI Project ID: 14-200-066-2972 P.O. Number: _____	
--	--	---	--

RELINQUISHED BY <i>Dean Jacobsen</i>	VIA	RECEIVED BY <i>J. Mueller</i>	DATE & TIME 2/18/14 10:00
---	-----	----------------------------------	------------------------------

**REQUESTED SERVICES (Please check the Appropriate Boxes)**

PLM	PLM	TEM	TEM	TURNAROUND TIME
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush
<input type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative [weight%]- Chatfield	<input type="checkbox"/> Same Day
<input type="checkbox"/> 1000 Point Count	<input type="checkbox"/> PCM	<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input type="checkbox"/> 24 - Hour
<input type="checkbox"/> Gravimetric Preparation	<input type="checkbox"/> NIOSH 7400	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative [fibers/sq.cm]- ASTM D5755	<input checked="" type="checkbox"/> 3 - Day
<input type="checkbox"/> Particle ID		<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day

No.	Sample ID (10 Characters Max)	To Be Analyzed	Description	Volume / Area (as applicable)	Comments / Notes
1	1-2972	<input checked="" type="checkbox"/>			
2	2-2972	<input type="checkbox"/>			
3	3-2972	<input type="checkbox"/>			
4	4-2972	<input type="checkbox"/>			
5	5-2972	<input type="checkbox"/>			
6	6-2972	<input type="checkbox"/>			
7	7-2972	<input type="checkbox"/>			Do Not Test Mastic
8	8-2972	<input type="checkbox"/>			
9	9-2972	<input type="checkbox"/>			
10	10-2972	<input checked="" type="checkbox"/>			



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For Lab Use Only
Lab No. <u>232074</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information				Project Location:	Project Name:	Project Location:	Project Name:
Company: Harenda Management Group				Milwaukee, WI	DNS		
No.	Sample ID (10 Characters Max)	<input checked="" type="checkbox"/> To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes	
11	11-2972	<input checked="" type="checkbox"/>				Do Not Test Mastic	
12	12-2972	<input type="checkbox"/>					
13	13-2972	<input type="checkbox"/>					
14	14-2972	<input type="checkbox"/>					
15	15-2972	<input type="checkbox"/>					
16	16-2972	<input type="checkbox"/>					
17	17-2972	<input type="checkbox"/>					
18	18-2972	<input type="checkbox"/>					
19	19-2972	<input type="checkbox"/>					
20	20-2972	<input type="checkbox"/>					
21	21-2972	<input type="checkbox"/>					
22	22-2972	<input type="checkbox"/>					
23	23-2972	<input type="checkbox"/>					
24	24-2972	<input type="checkbox"/>					
25	25-2972	<input type="checkbox"/>					
26	26-2972	<input type="checkbox"/>					
27	27-2972	<input type="checkbox"/>					
28	28-2972	<input type="checkbox"/>					
29	29-2972	<input type="checkbox"/>					
30	30-2972	<input checked="" type="checkbox"/>					



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Lab No. <u>232079</u>
Accept <input checked="" type="checkbox"/> Reject <input type="checkbox"/>

Project Information		Project Name: DNS		Project Location: Milwaukee, WI	
No.	Sample ID (10 Characters Max)	Color	Description	Volume / Area (as applicable)	Comments / Notes
31	31-2972				
32	32-2972				
33	33-2972				
34	34-2972				
35	35-2972				
36	36-2972				
37	37-2972				
38	38-2972				
39	39-2972				Do Not Test/Analyze
40	40-2972				
41	41-2972				
42	42-2972				
43	43-2972				
44	44-2972				
45	45-2972				
46					
47					
48					
49					
50					



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### Polarized Light Microscopy Asbestos Analysis Report

Quantem Lab No. 232294

Account Number: B929

Date Received: 02/24/2014

Received By: Sherrie Leftwich

Date Analyzed: 02/24/2014

Analyzed By: Cristal Veech

Methodology: EPA/600/R-93/116

Client: Harenda Management Group

Jolene Harenda

1237 West Bruce St.

Milwaukee, WI 53204

Project: PTCT for 232074, DNS

Project Location: Milwaukee, WI

Project Number: 14-200-061.2972

Quantem Sample ID	Client Sample ID	Composition	Color / Description	Asbestos (%)	Non-Asbestos Fiber (%)	Non Fibrous
001	9-2972	Composite	White Texture / Sheetrock	Asbestos Present Chrysotile <0.25 400 Point Count	NA	
002	10-2972	Composite	White Texture / Sheetrock	Asbestos Present Chrysotile <0.25 400 Point Count	NA	

Cristal Veech, Analyst

2/24/2014

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

Quantem is a NVLAP accredited PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to analysis performed utilizing EPA/600/M4-82-020 and EPA/600/R-93/116 methods. This report may not be used to claim product endorsement by NVLAP or any agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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Lab No. 232074  
Accept  Reject

Report Results (  one box )  
 Quantem Website  
 Other email \_\_\_\_\_

Contact Information		Project Information	
Company: Harenda Management Group	Phone: (414) 383-4800	Project Name: DNS	
Contact: Dean Jacobsen	Cell Phone:	Project Location: Milwaukee, WI	
Account #: B929	E-mail: djacobsen@harenda.com	Project ID: 14-200-061.2972	
SAMPLED BY: Name:	Date:	P.O. Number:	

RELINQUISHED BY	DATE & TIME	VIA	RECEIVED BY	DATE & TIME
<i>Dean Jacobsen</i>	2/24/14 1345	Email	<i>S. H. H. H. H.</i>	2/24/14 12:10

**REQUESTED SERVICES (Please  the Appropriate Boxes)**

	PLM	PLM	TEM	TEM	TURNAROUND TIME
<input checked="" type="checkbox"/> Bulk Analysis (EPA 600/R-93/116)	<input type="checkbox"/> Vermiculite Attic Insulation (EPA 600/R-04/004)	<input type="checkbox"/> Air- AHERA	<input type="checkbox"/> Bulk- Presence / Absence EPA600/R-93/116	<input type="checkbox"/> Rush	
<input checked="" type="checkbox"/> 400 Point Count	<input type="checkbox"/> Other	<input type="checkbox"/> Air- NIOSH 7402	<input type="checkbox"/> Bulk- Quantitative (weights%) - Chatfield	<input type="checkbox"/> Same Day	
<input type="checkbox"/> 1000 Point Count		<input type="checkbox"/> Air- ISO 10312	<input type="checkbox"/> Dust- Presence / Absence	<input checked="" type="checkbox"/> 24 - Hour	
<input type="checkbox"/> Gravimetric Preparation	PCM	<input type="checkbox"/> Drinking Water- EPA 100.2	<input type="checkbox"/> Dust- Quantitative (fibers/sq.cm) - ASTM D5755	<input type="checkbox"/> 3 - Day	
<input type="checkbox"/> Particle ID	NIOSH 7400	<input type="checkbox"/> Waste Water- EPA 600/4-83-043	<input type="checkbox"/> Other	<input type="checkbox"/> 5 - Day	

No.	Sample ID (10 Characters Max)	To Be Analyzed	Color	Description	Volume / Area (as applicable)	Comments / Notes
1	9-2972	<input checked="" type="checkbox"/>				Composite Point Count
2	10-2972	<input checked="" type="checkbox"/>				Composite Point Count
3		<input type="checkbox"/>				Quantem Lab # 232074
4		<input type="checkbox"/>				
5		<input type="checkbox"/>				
6		<input type="checkbox"/>				
7		<input type="checkbox"/>				
8		<input type="checkbox"/>				
9		<input type="checkbox"/>				
10		<input type="checkbox"/>				

## **IX. HMG CERTIFICATION**



ASBESTOS INSPECTOR

Issued By

STATE OF WISCONSIN

Dept. of Health Services

Dean T Jacobsen  
W1316781 Kipling Dr  
Monkego WI 53150-3401

		160 lbs	5' 08"
ALL-14370	Exp. 12/31/2014	12/12/1963	Male

Training due by: 12/01/2014

# Company Certificate

This certifies that

HARENDA MANAGEMENT GROUP

PO BOX 511305  
NEW BERLIN WI 53151-2105

is certified under ch. HFS 159, Wis. Adm. Code as a

Asbestos Company - Primary

Certificate Issue Date: 09/11/2013  
Expiration Date: 08/31/2015, 12:01 a.m.  
Certification #: CAP-480540

Wisconsin Department of Health Services  
Division of Public Health  
Bureau of Environmental and Occupational Health  
Asbestos & Lead Section  
PO Box 2659  
Madison WI 53701-2659  
Phone: (608) 261-6876



*Shelley A Bruce*  
Shelley A Bruce,  
Unit Supervisor

